

FIG. 1

00000000000000000000000000000000

FIGURE 2

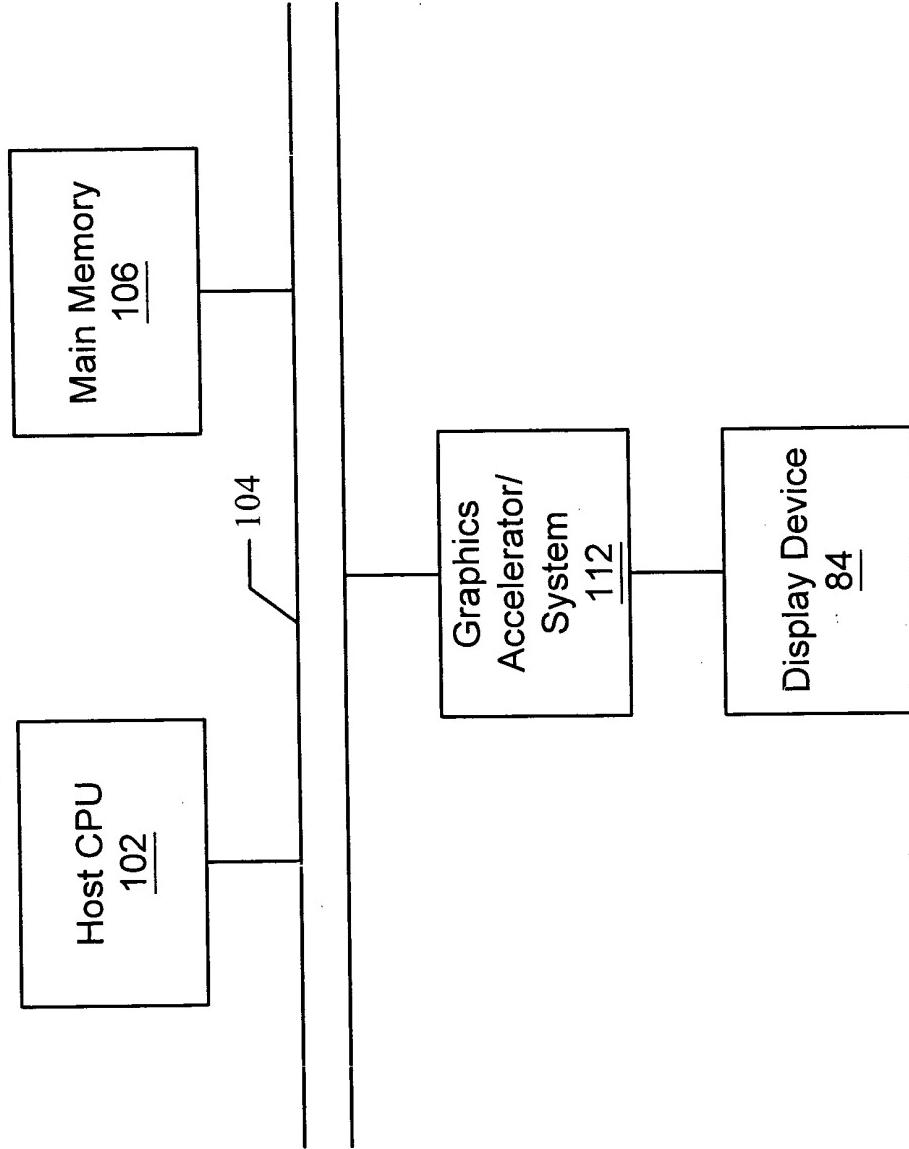


FIG. 2

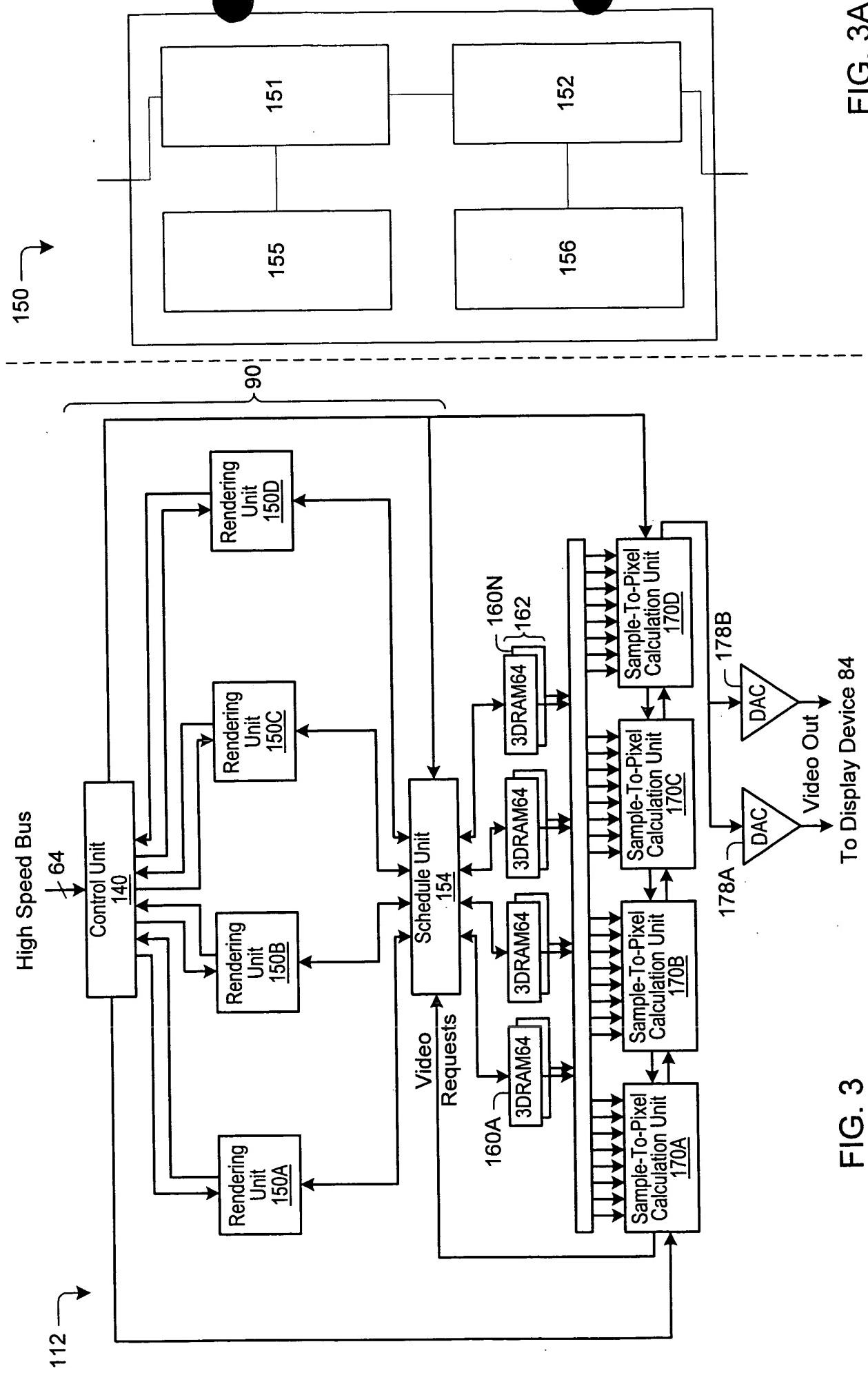


FIG. 3

FIG. 3A

“T032130” E3446360

PIXEL	PIXEL	PIXEL
●	●	●
PIXEL 70	PIXEL 74	PIXEL
●	●	●

FIG. 4

PIXEL	PIXEL	PIXEL
●	●	●
PIXEL 72	PIXEL 74A	PIXEL 70
●	●	●

FIG. 5A

PIXEL	PIXEL	PIXEL
●	●	●
PIXEL 72	PIXEL 70	PIXEL
●	●	●

FIG. 5B

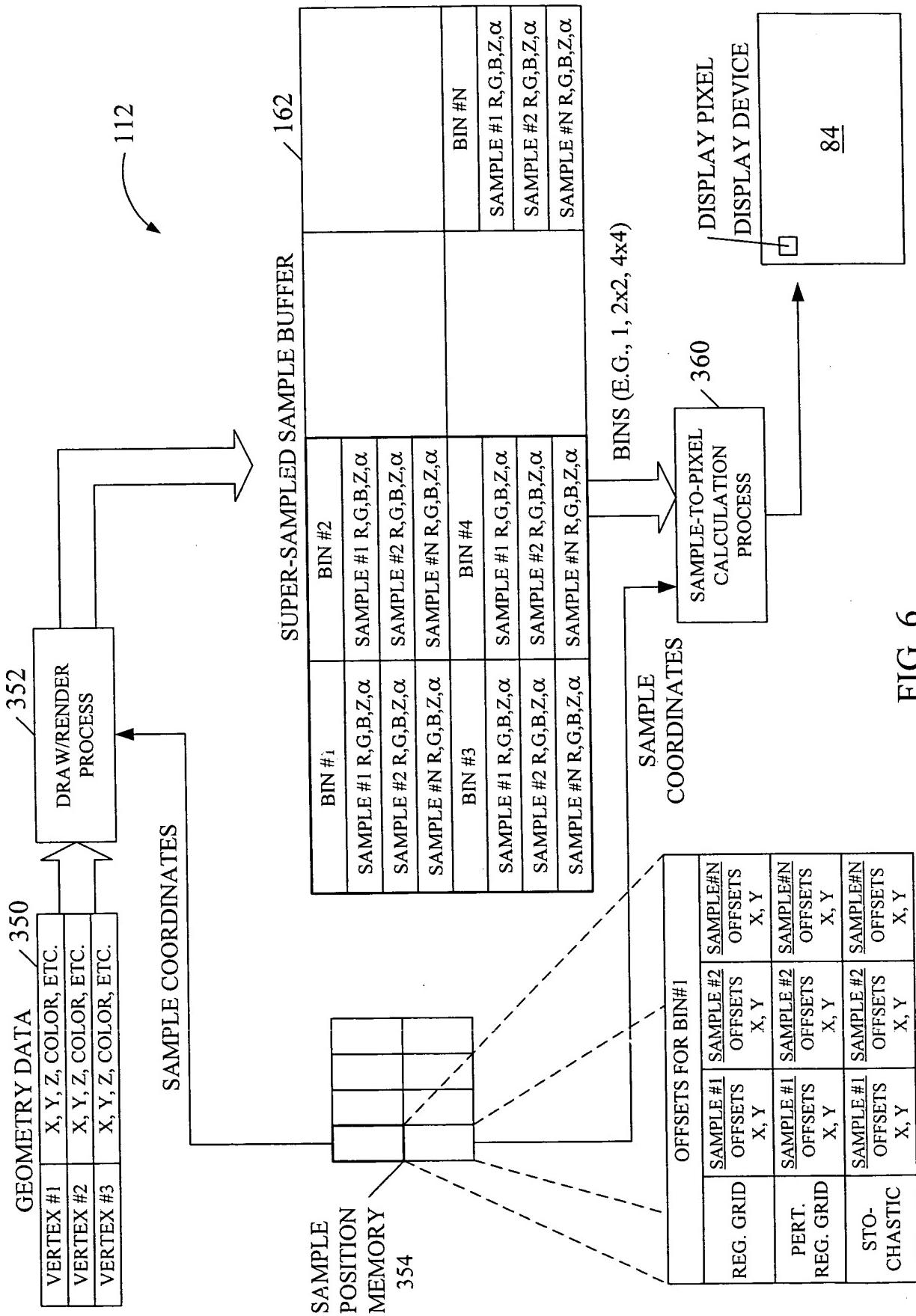


FIG. 6

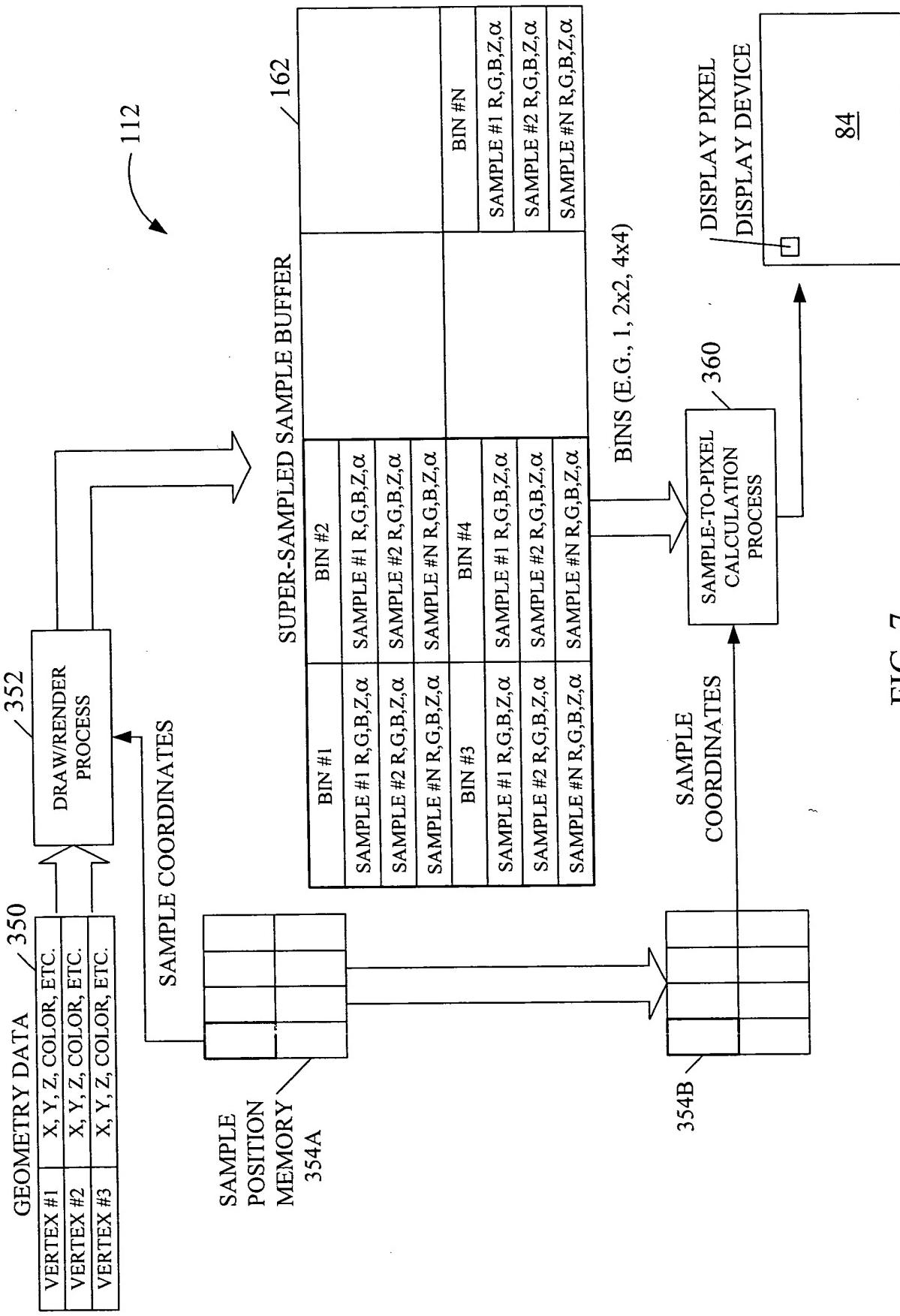
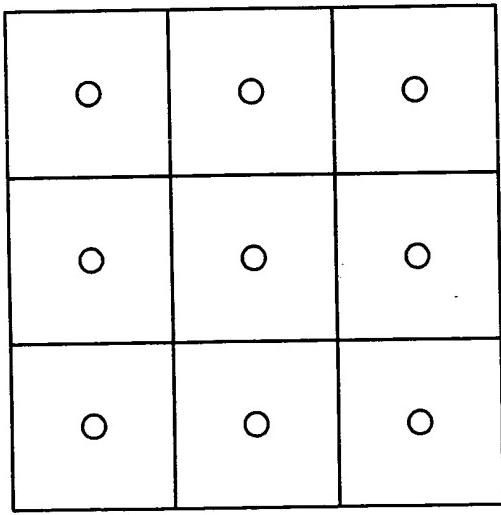
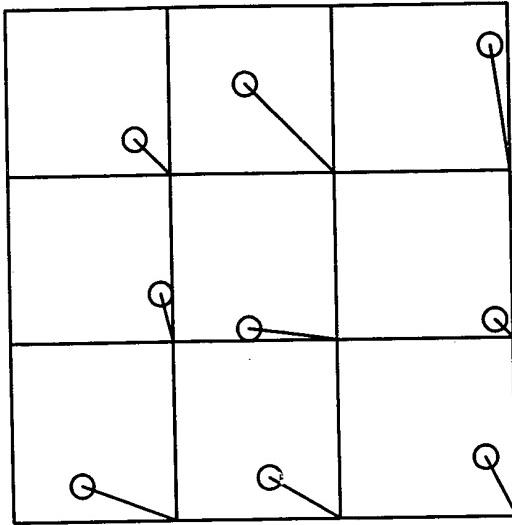


FIG. 7

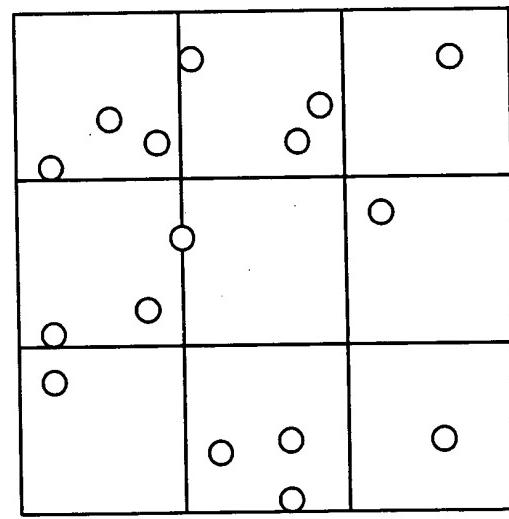
190 192 194 FIGURE 8



REGULAR GRID 190



PERTURBED
REGULAR GRID
192



194 STOCHASTIC
SPACING

FIG. 8

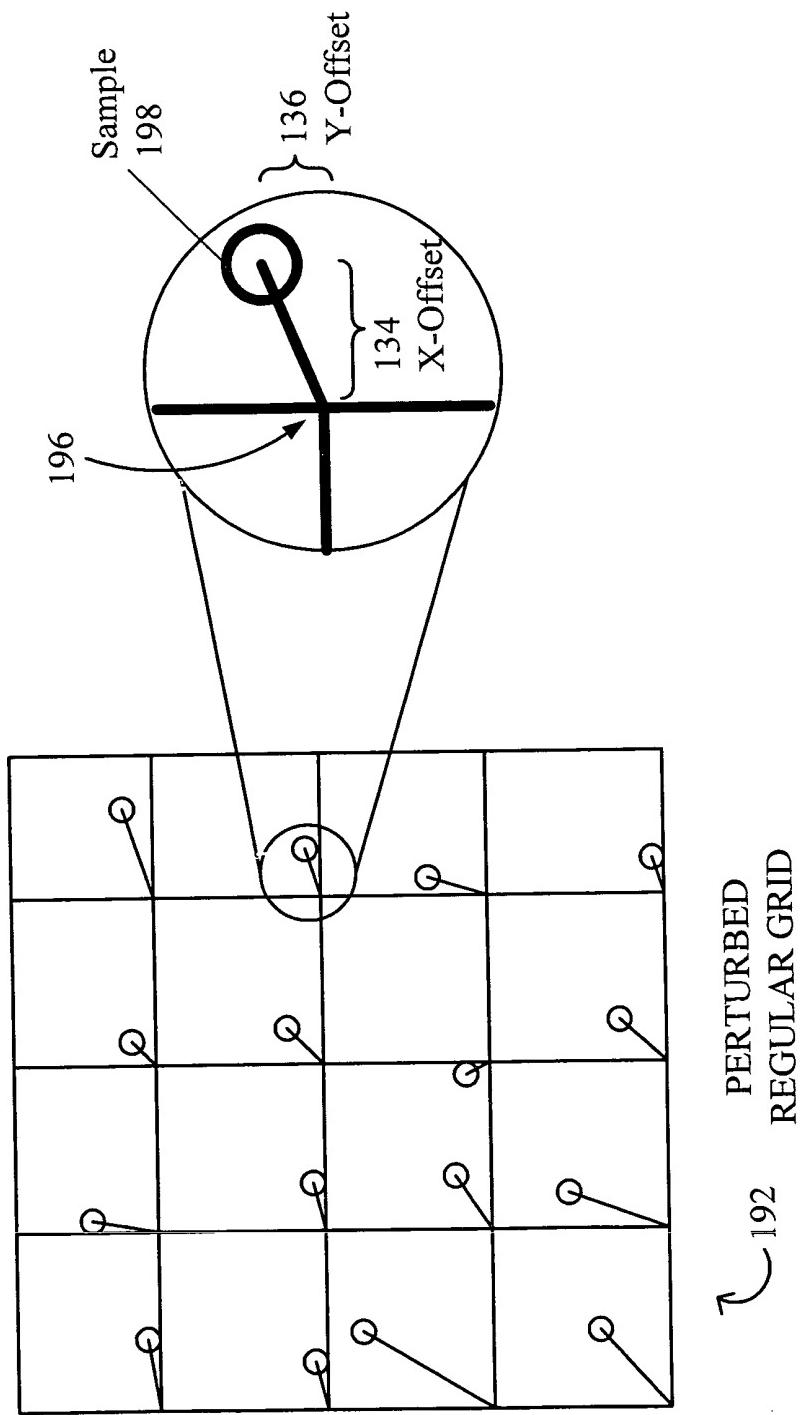


FIG. 9

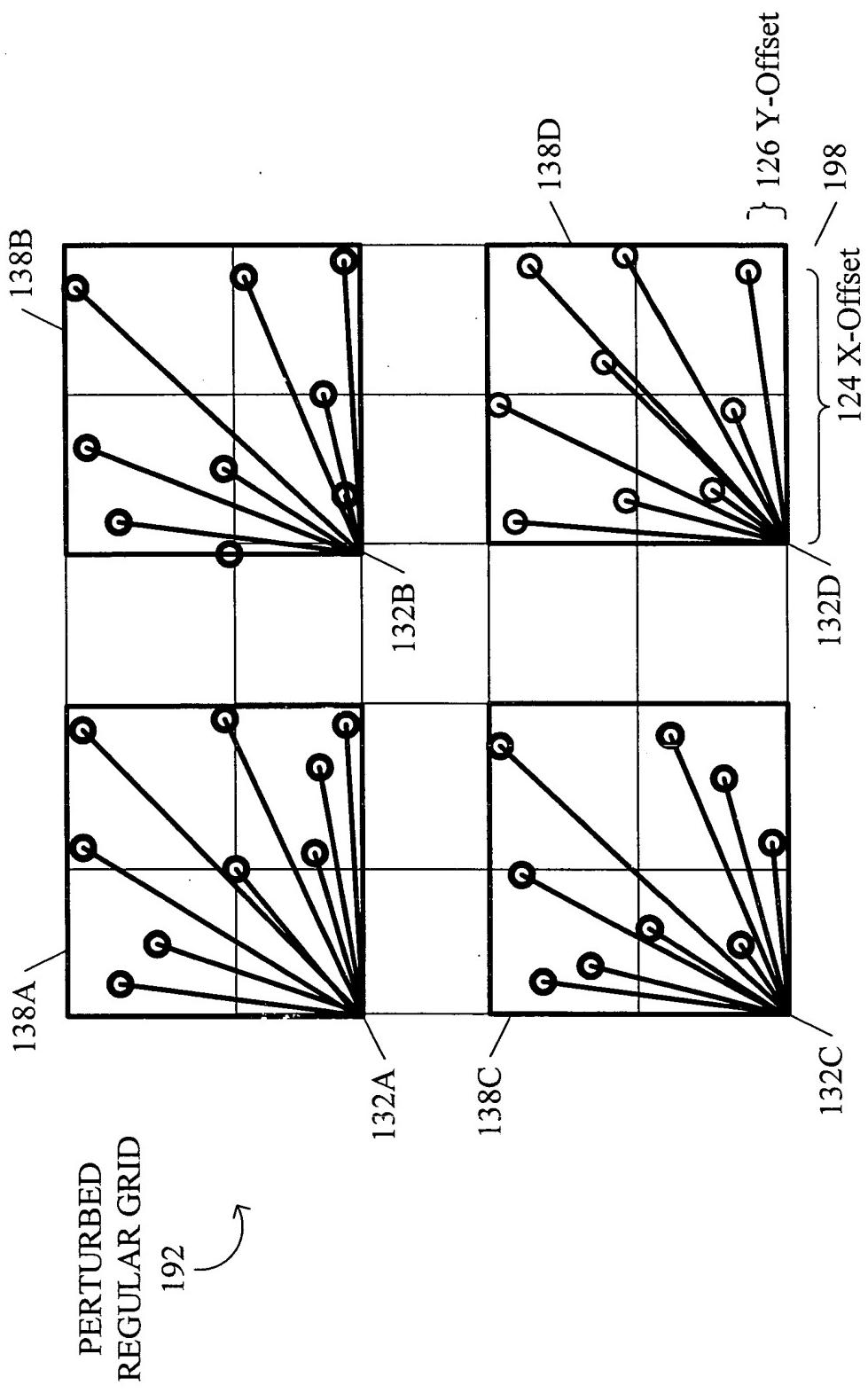


FIG. 10

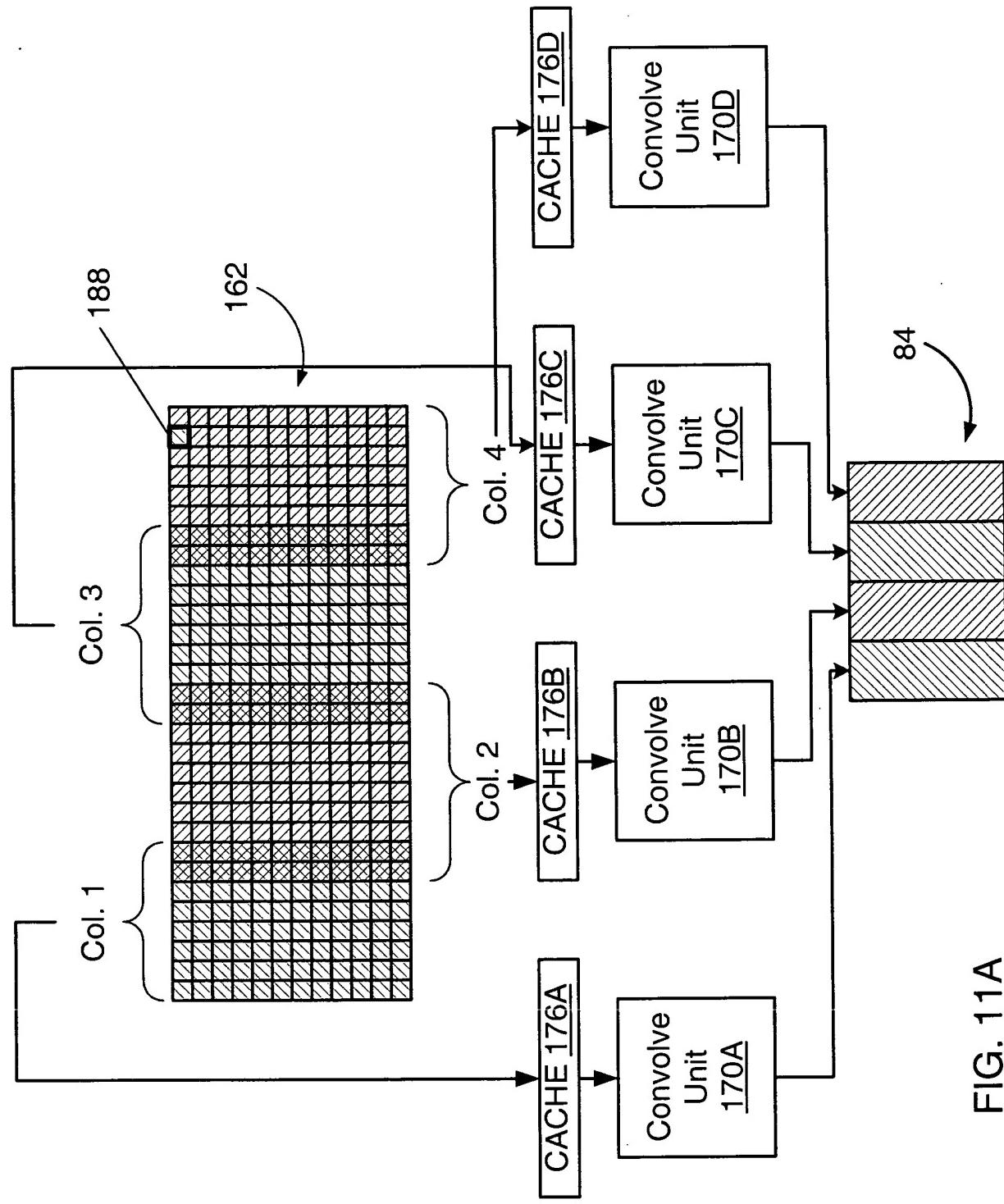


FIG. 11A

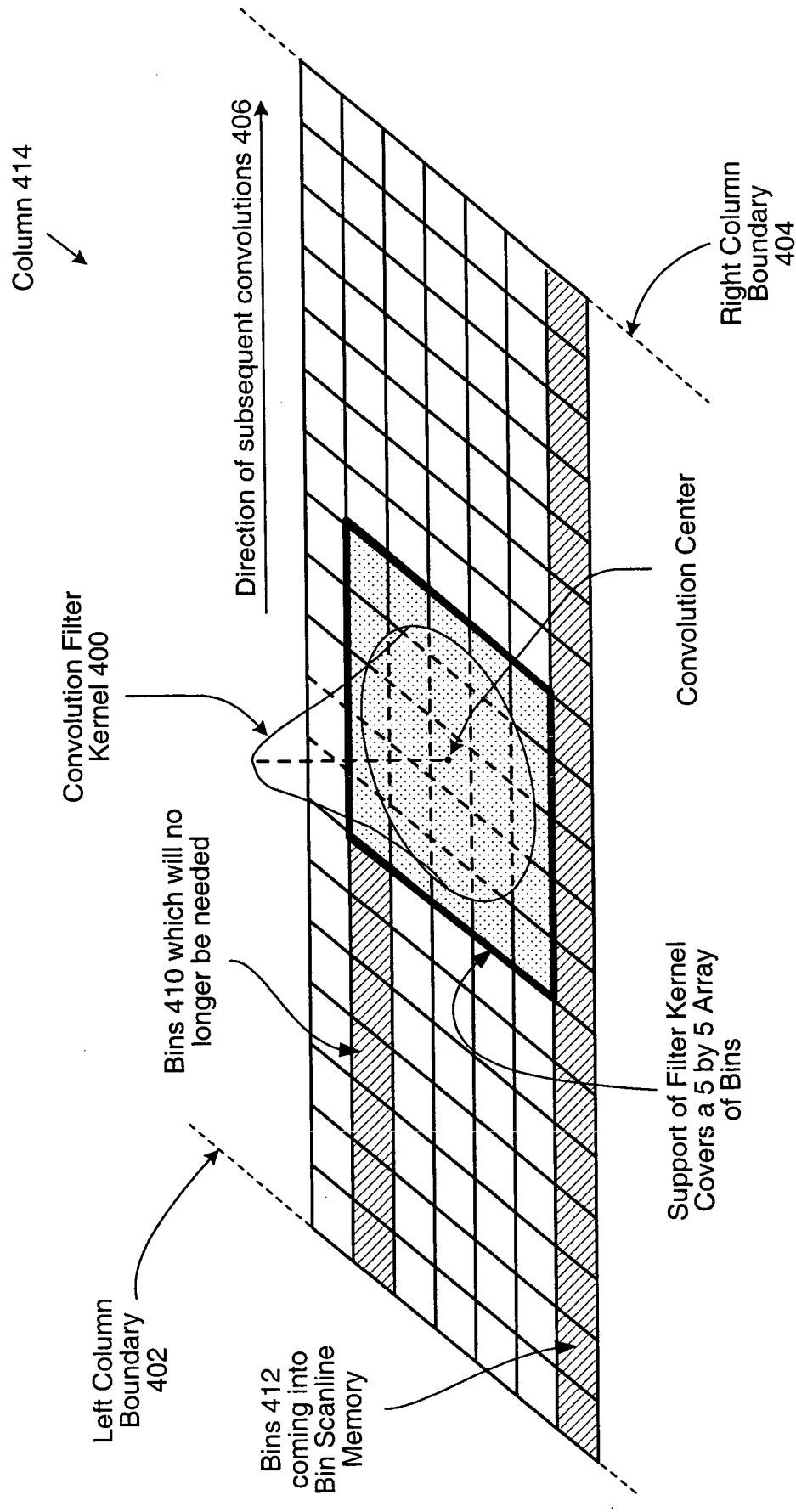


FIG. 11B

100 200 300 400 500 600

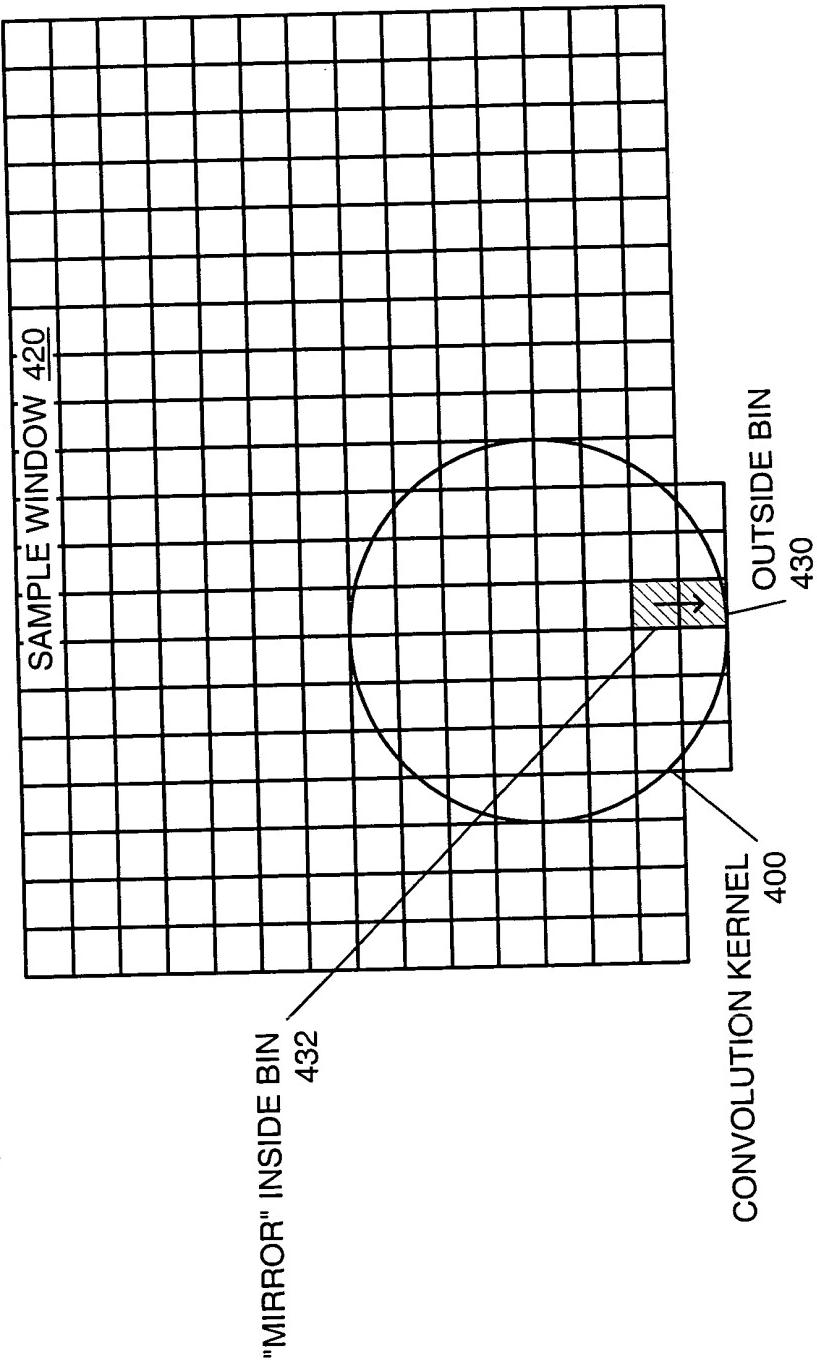


FIG. 11C

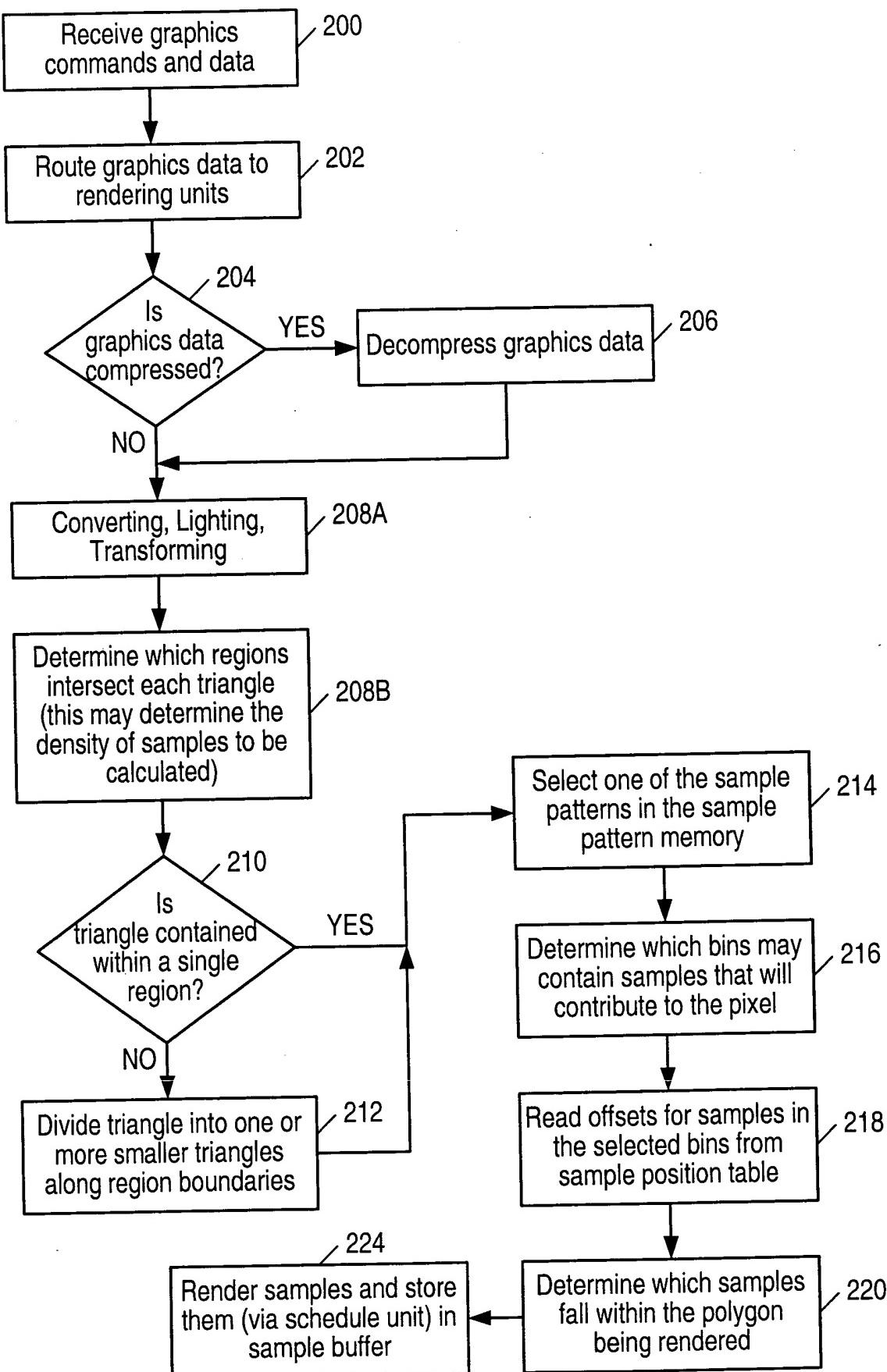


FIG. 12A

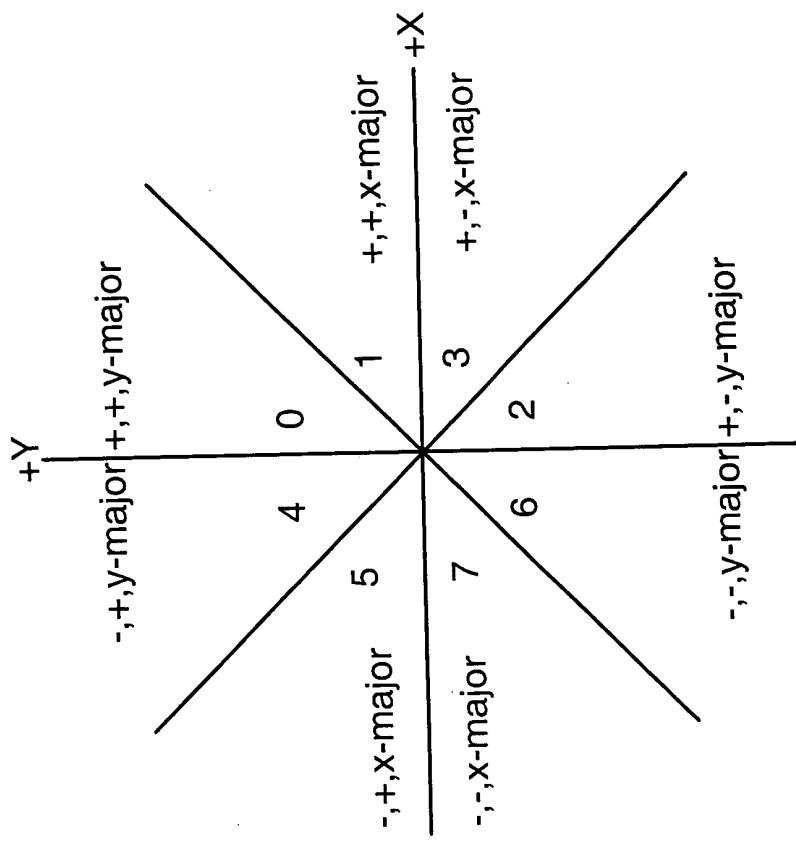


FIG. 12B

DRAFT - DO NOT CITE

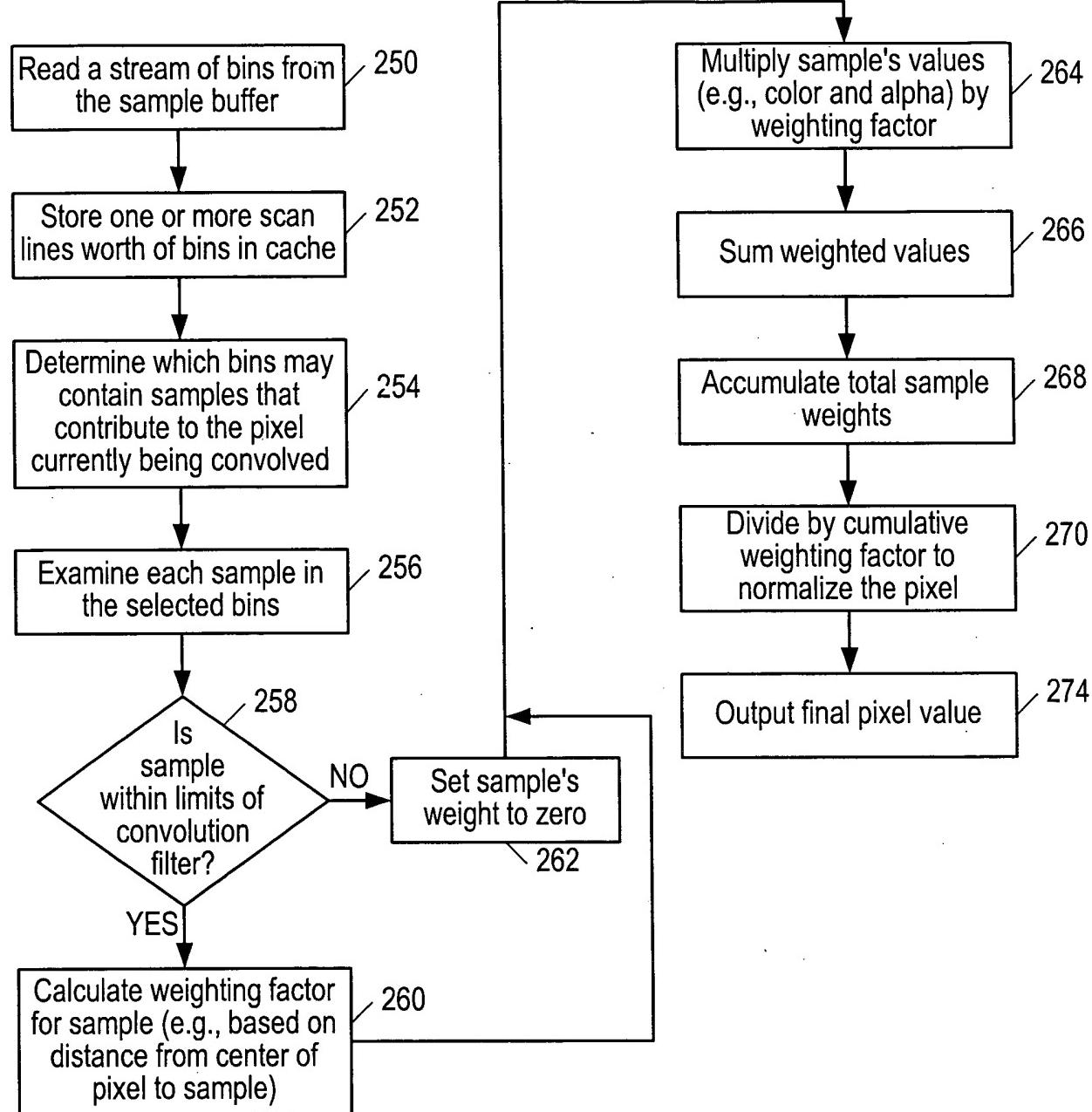
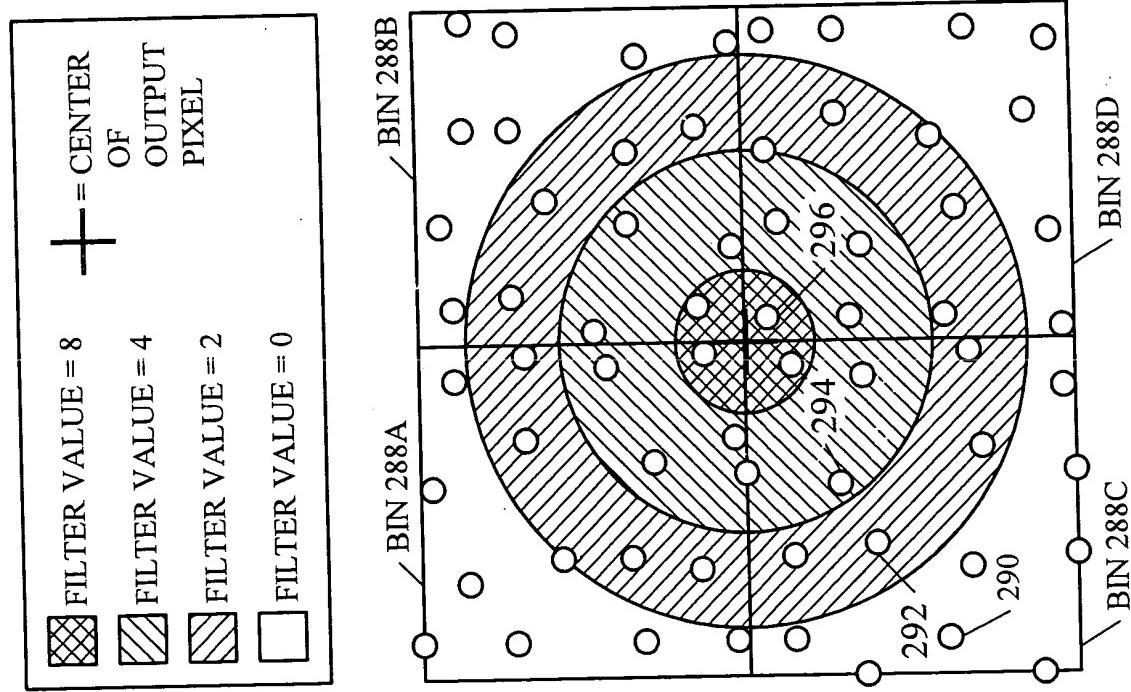


FIG. 13



✓ 300

Sample 190

R = 120 FILTER
G = 200 VALUE = 0
B = 40
A = 150

✓ 302

Sample 192

R = 140 FILTER
G = 180 VALUE = 2
B = 50
A = 160

✓ 304

Sample 194

R = 150 FILTER
G = 170 VALUE = 4
B = 50
A = 180

✓ 306

Sample 196

R = 140 FILTER
G = 170 VALUE = 8
B = 60
A = 190

NORMALIZATION
VALUE = $0+2+4+8 = 14$

✓ 308

BIN 288D

✓ 310

UNNORMALIZED
OUTPUT PIXEL

R = 120*0
+140*2
+150*4
+140*8 = 2000

G = 200*0
+180*2
+170*4
+170*8 = 2400

B = 40*0
+50*2
+60*4 = 780

A = 150*0
+160*2
+180*4
+190*8 = 2560

NORMALIZED
OUTPUT PIXEL

R = 2000 / 14 = 142.9
G = 2400 / 14 = 171.4
B = 780 / 14 = 55.7
A = 2560 / 14 = 175.7

FIG. 14

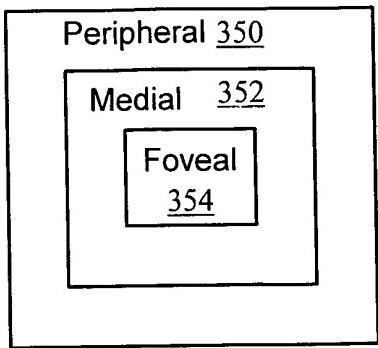


FIG. 15

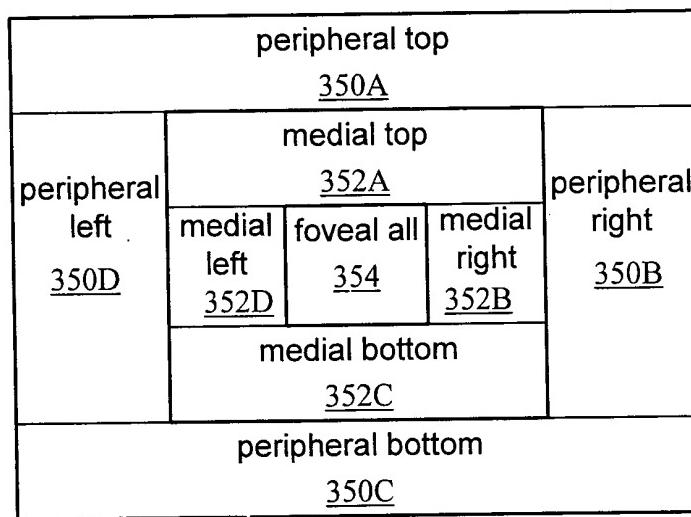


FIG. 16

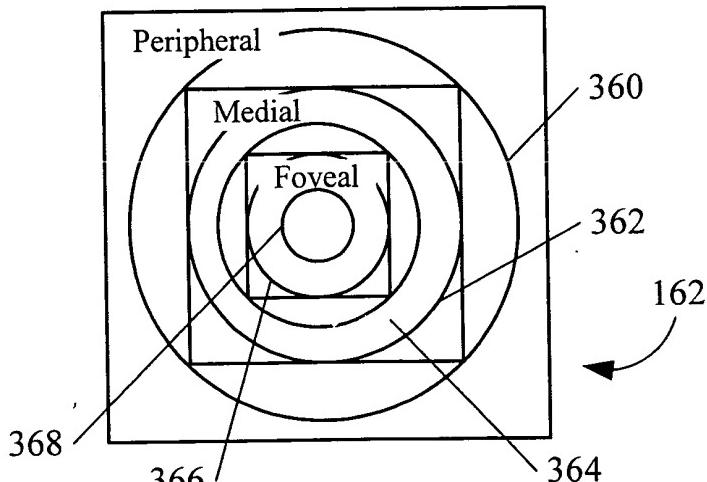
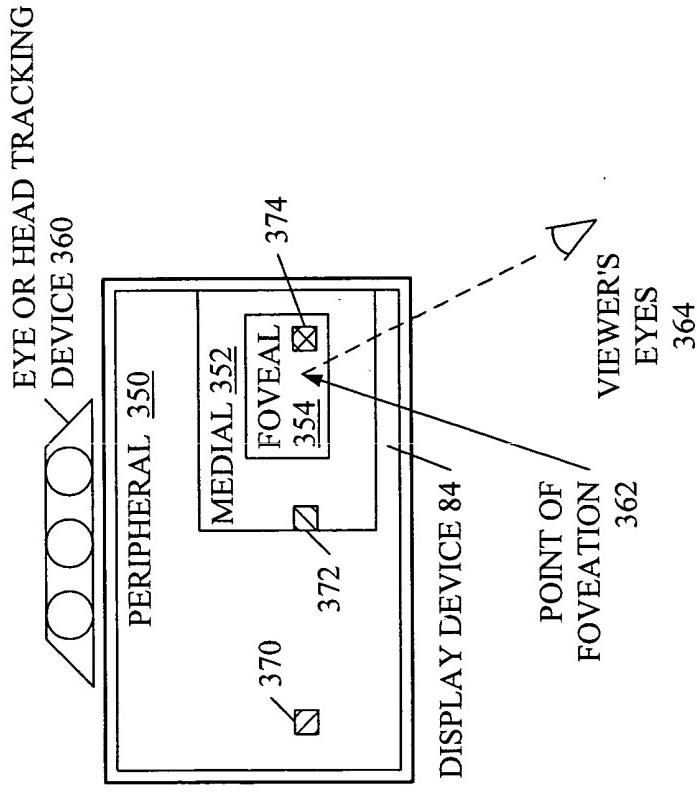


FIG. 17



- FOVEAL REGION = 8 SAMPLES PER BIN
CONVOLUTION RADIUS TOUCHES 4 BINS
TOTAL = 32 SAMPLES MAY CONTRIBUTE
- MEDIAL REGION = 4 SAMPLES PER BIN
CONVOLUTION RADIUS TOUCHES 4 BINS
TOTAL = 16 SAMPLES MAY CONTRIBUTE
- PERIPHERAL REGION = 1 SAMPLE PER BIN
CONVOLUTION RADIUS TOUCHES 1 BIN
TOTAL = 1 SAMPLE MAY CONTRIBUTE
- PERIPHERAL REGION = 1 SAMPLE PER BIN
CONVOLUTION RADIUS TOUCHES 1 BIN
TOTAL = 1 SAMPLE MAY CONTRIBUTE
- PERIPHERAL REGION = 1 SAMPLE PER BIN
CONVOLUTION RADIUS TOUCHES 4 BINS
TOTAL = 32 SAMPLES MAY CONTRIBUTE

FIG. 18A

FIG. 18B

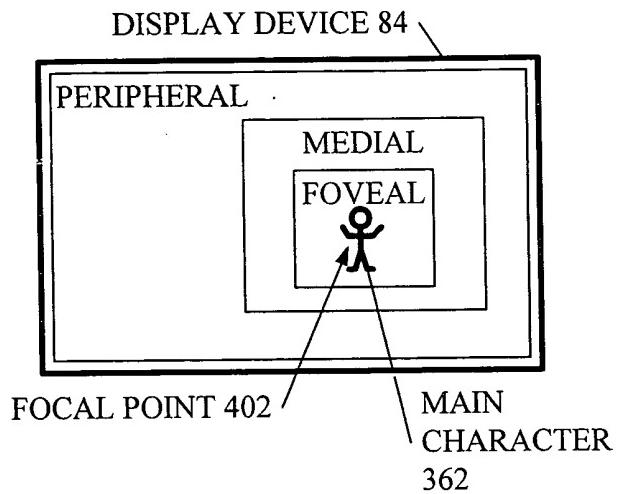


FIG. 19A

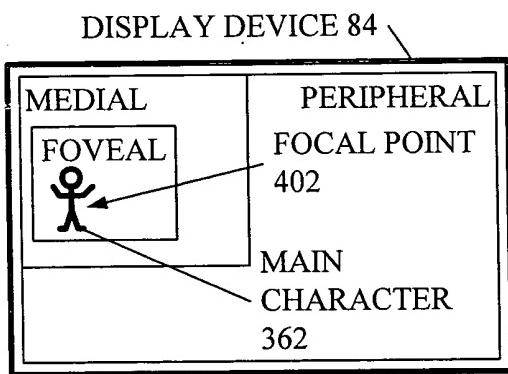


FIG. 19B

T 02200 " E 946350

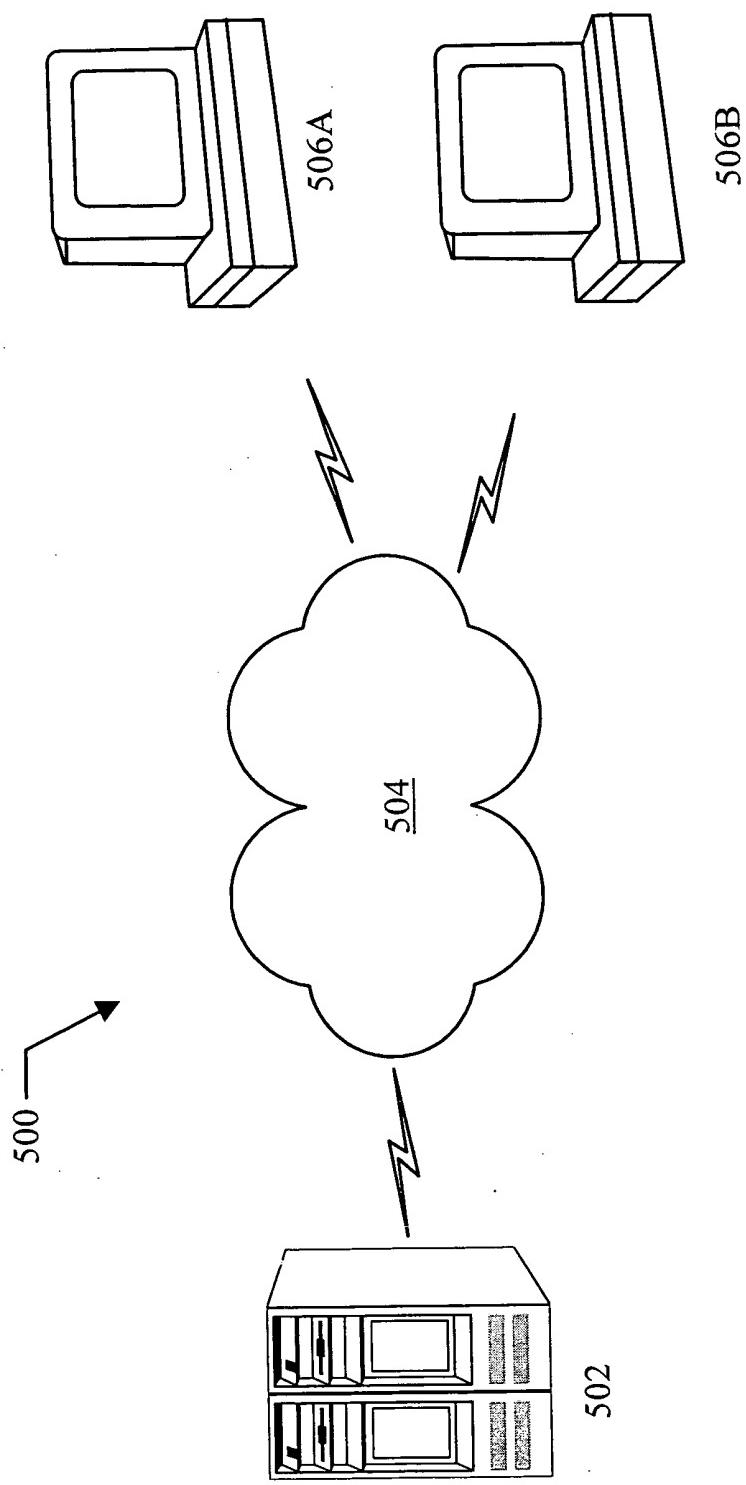


FIG. 20

$$r_i^p = \sum_j c_j r_j^s$$

Eqn. 1

$$g_i^p = \sum_j c_j g_j^s$$

Eqn. 2

$$b_i^p = \sum_j c_j b_j^s$$

Eqn. 3

$$\alpha_i^p = \sum_j c_j \alpha_j^s$$

Eqn. 4

$$c_i^n = \frac{c_i}{\sum_j c_j}$$

Eqn. 5

$$r_i^p = \frac{\sum_j c_j r_j^s}{\sum_j c_j}$$

Eqn. 6

$$g_i^p = \frac{\sum_j c_j g_j^s}{\sum_j c_j}$$

Eqn. 7

$$b_i^p = \frac{\sum_j c_j b_j^s}{\sum_j c_j}$$

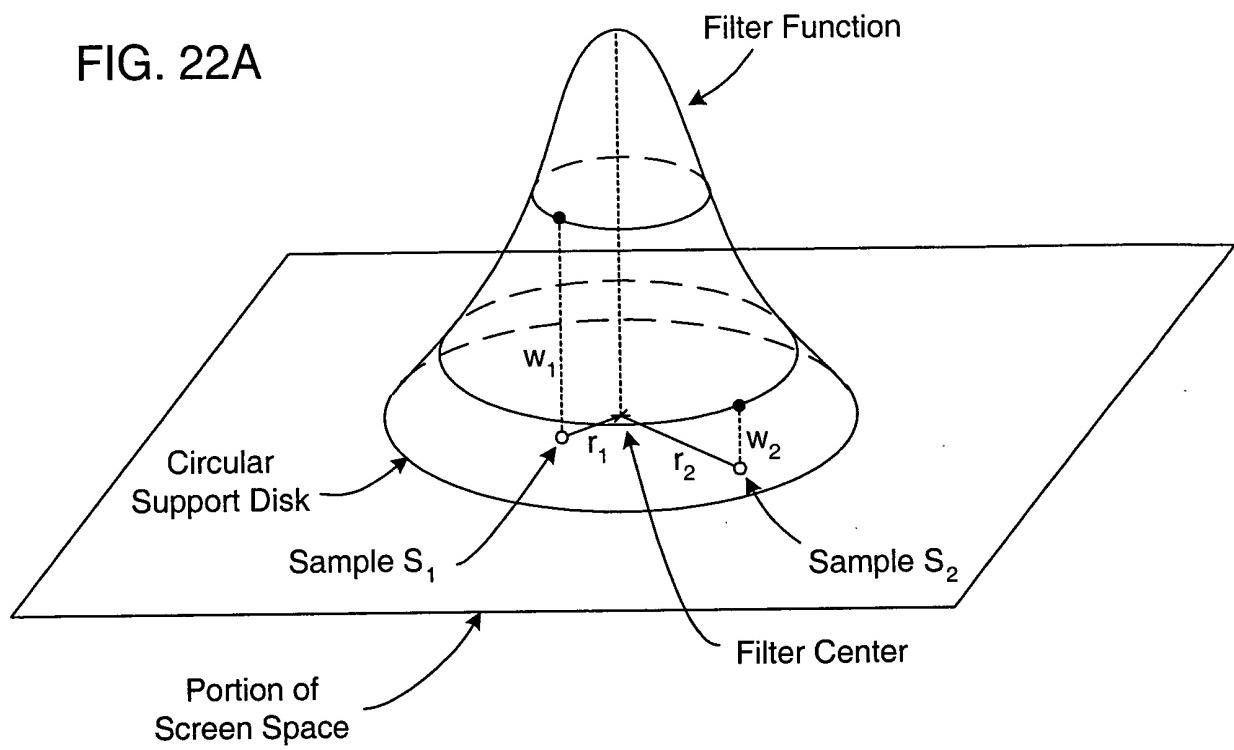
Eqn. 8

$$\alpha_i^p = \frac{\sum_j c_j \alpha_j^s}{\sum_j c_j}$$

Eqn. 9

Figure 21

FIG. 22A



TAKAO EKISADA

FIG. 22B

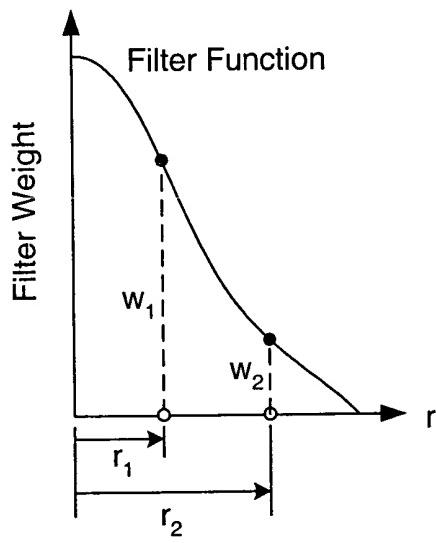


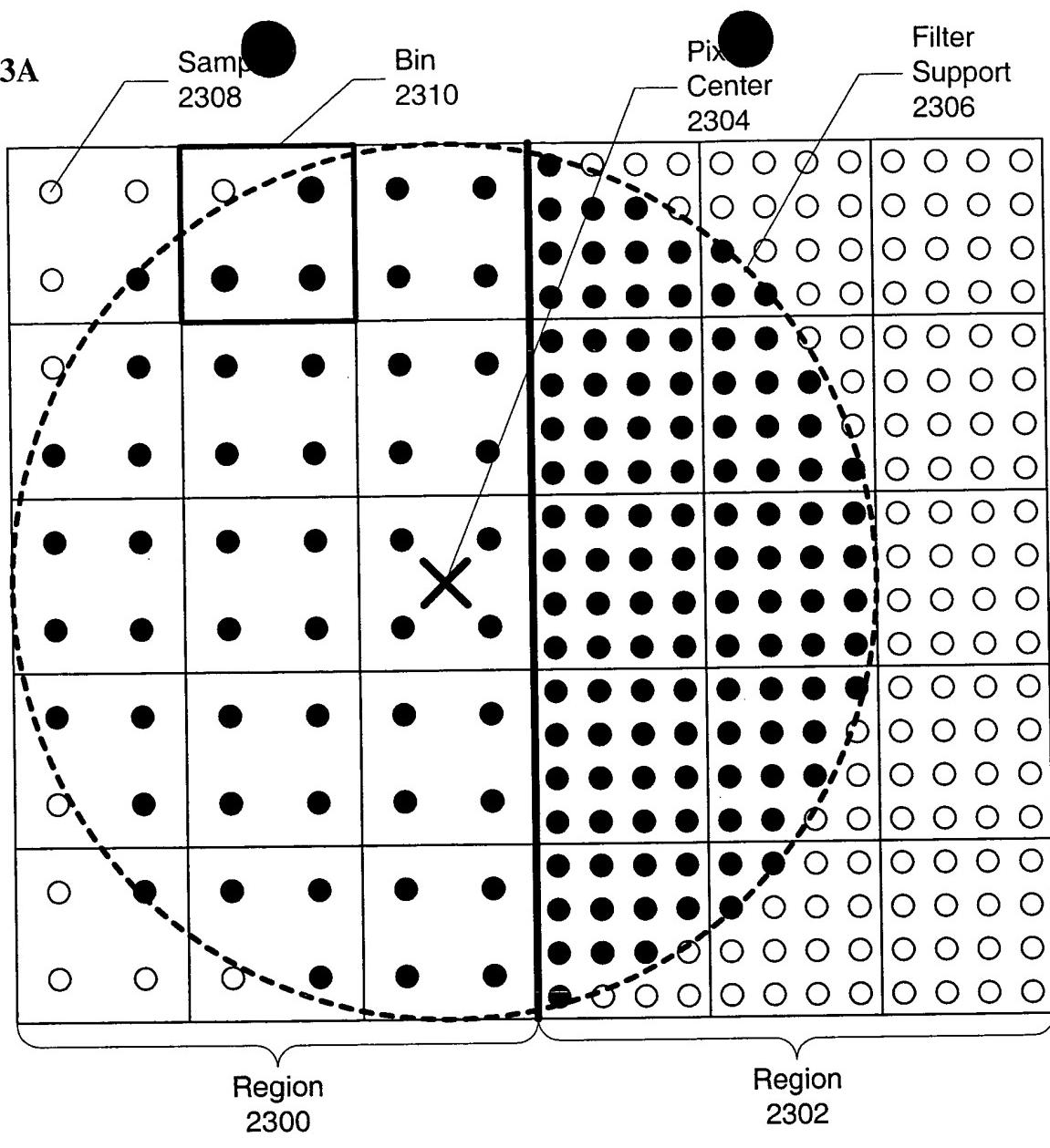
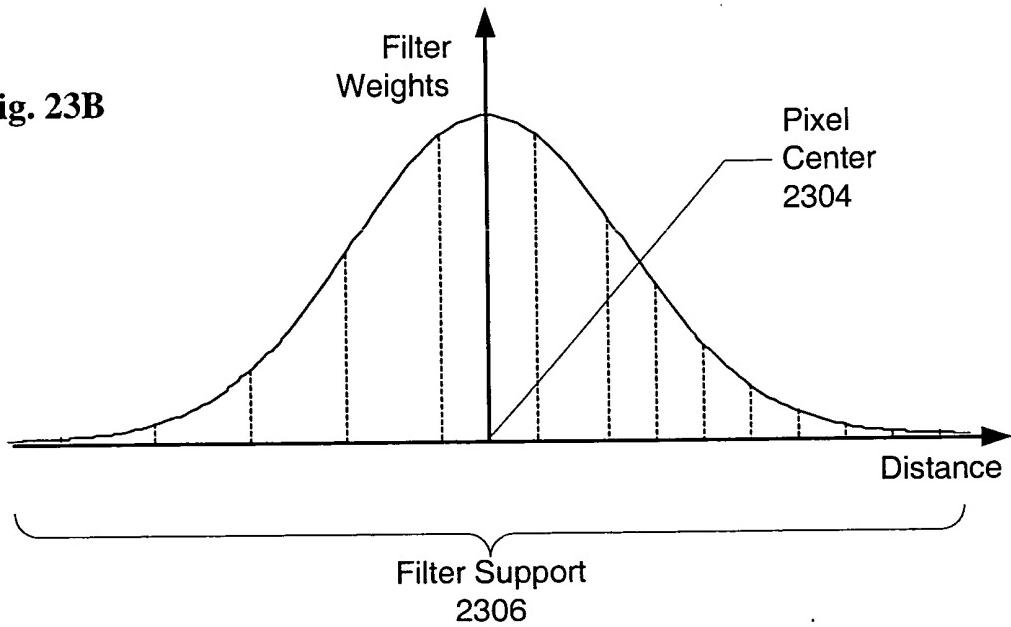
Fig. 23A**Fig. 23B**

Fig. 24A

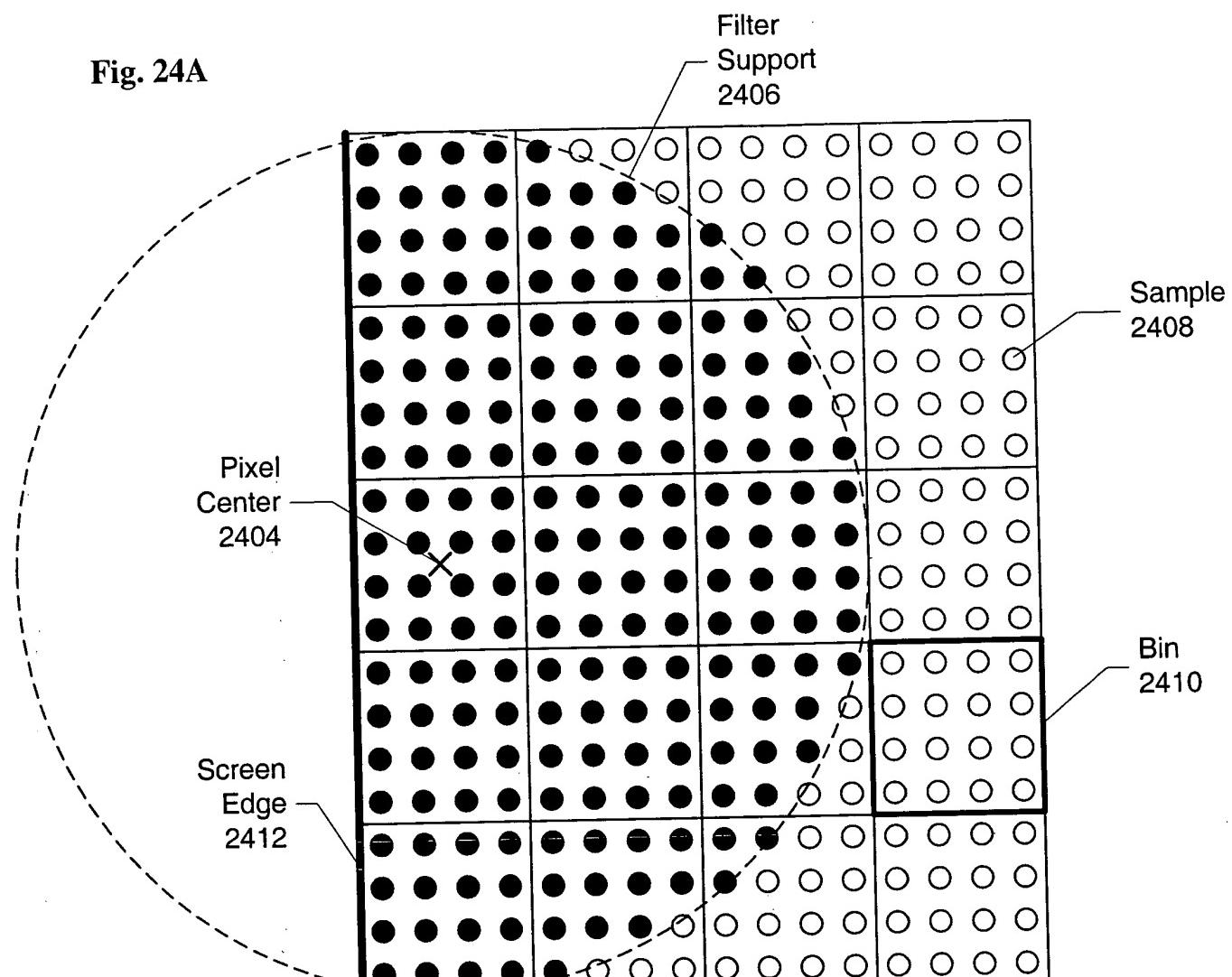


Fig. 24B

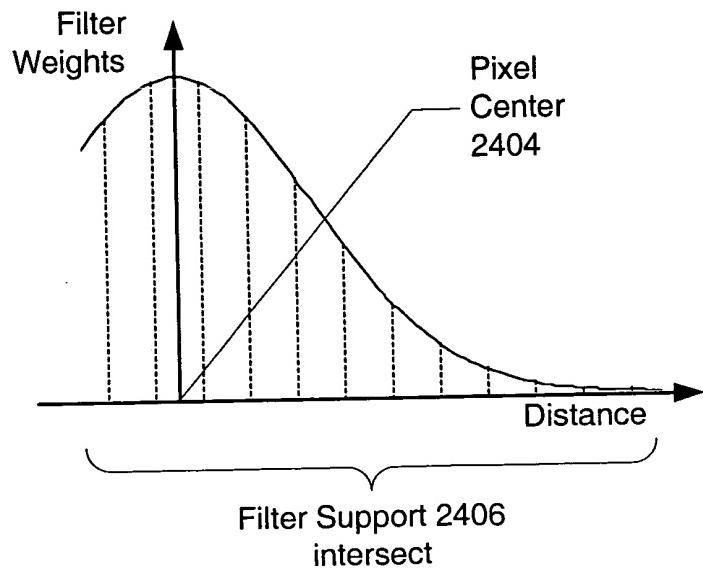


Fig. 25A

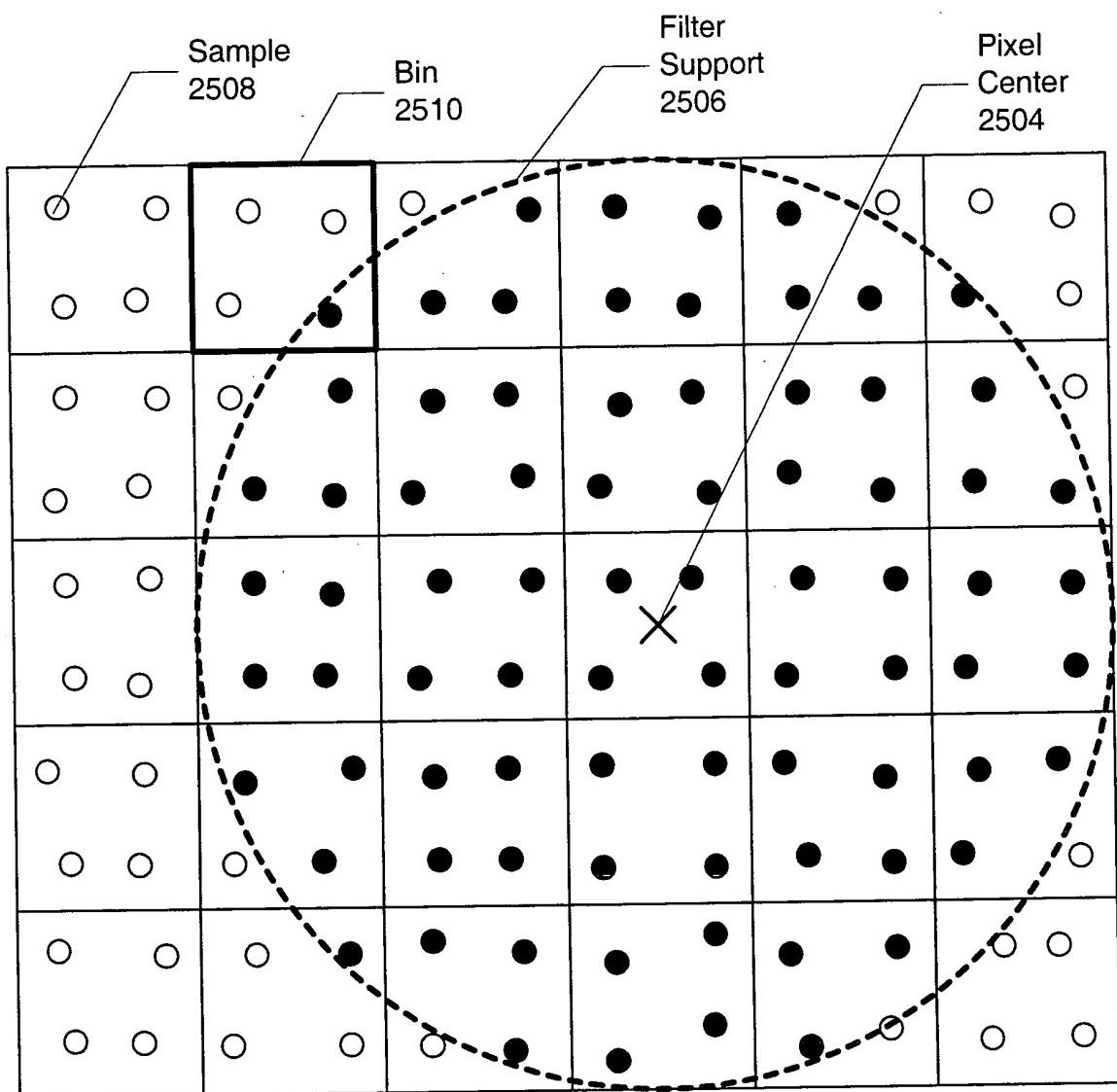
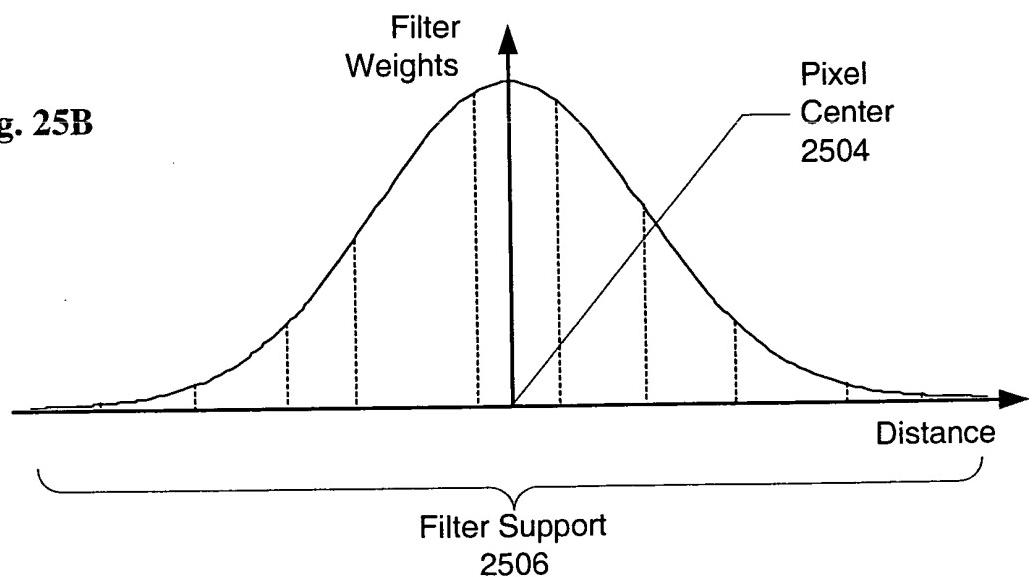


Fig. 25B



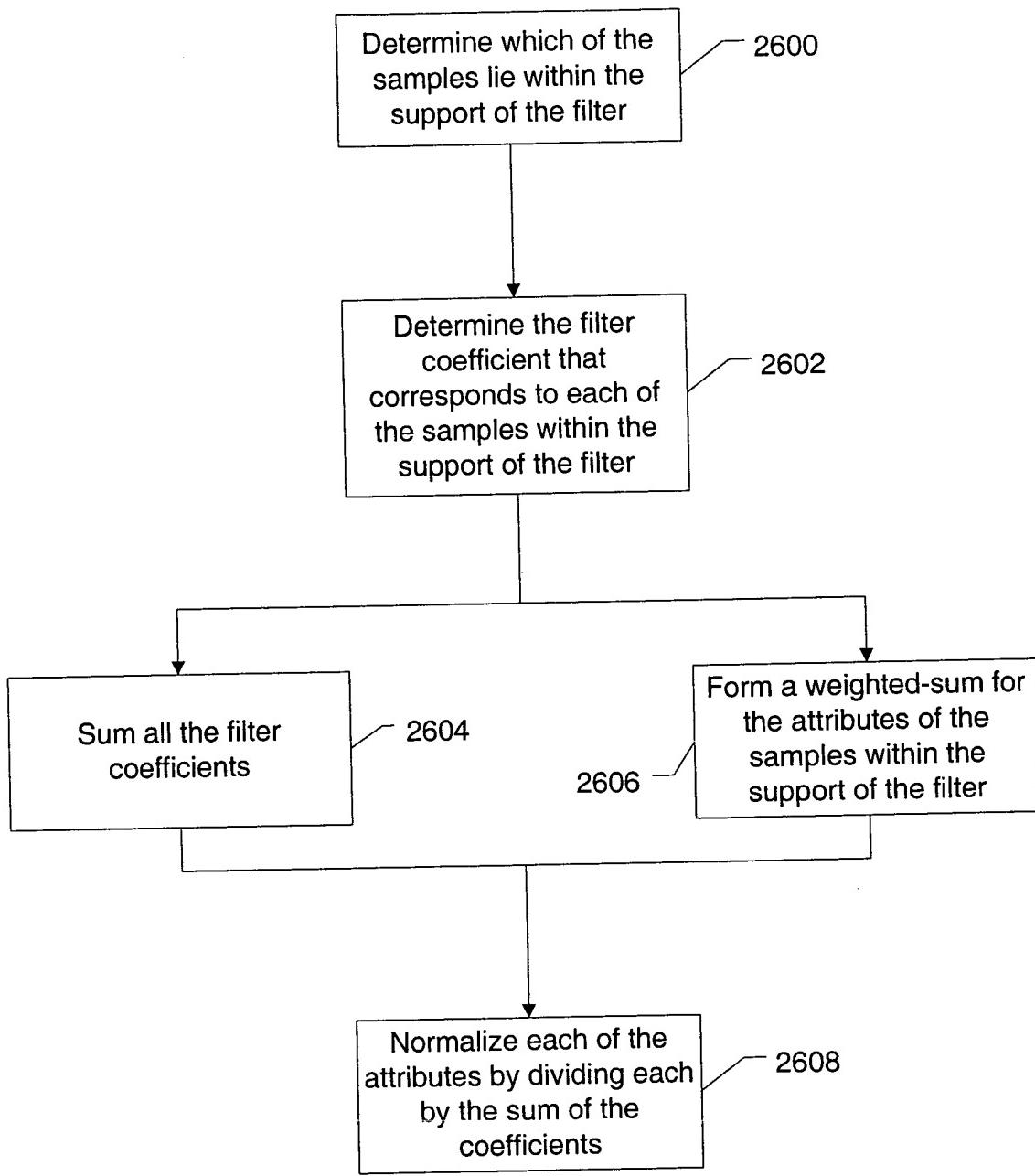


Figure 26

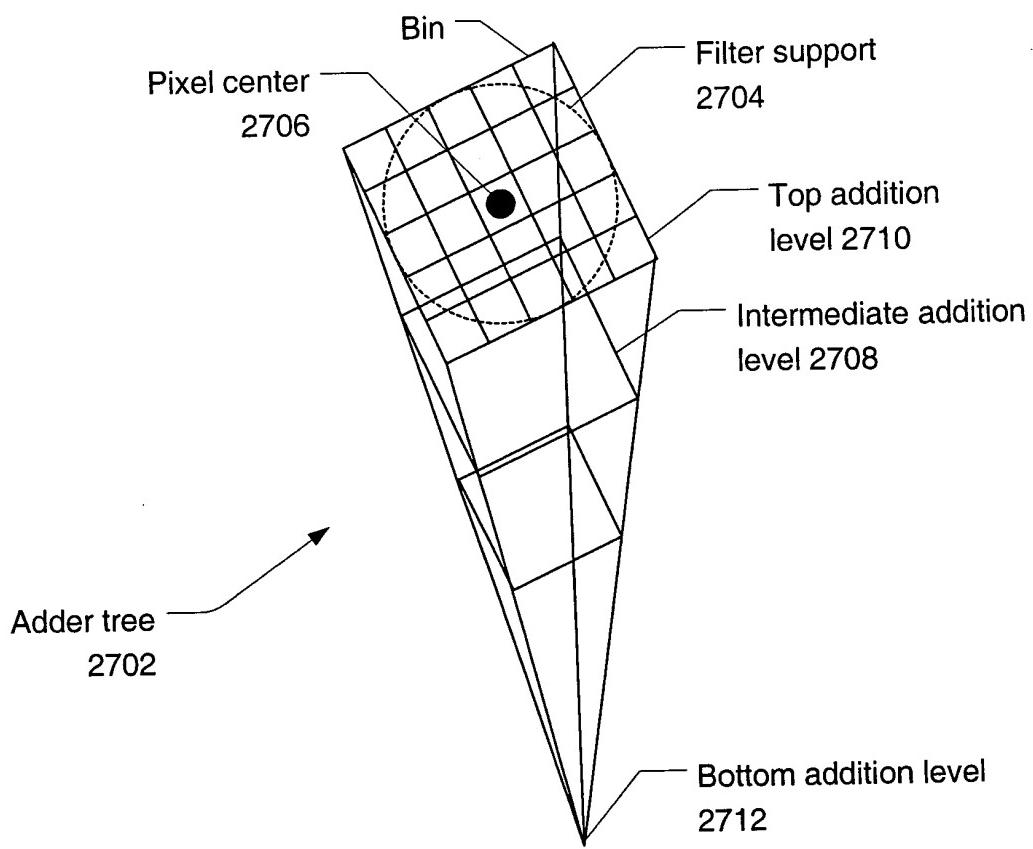


Figure 27

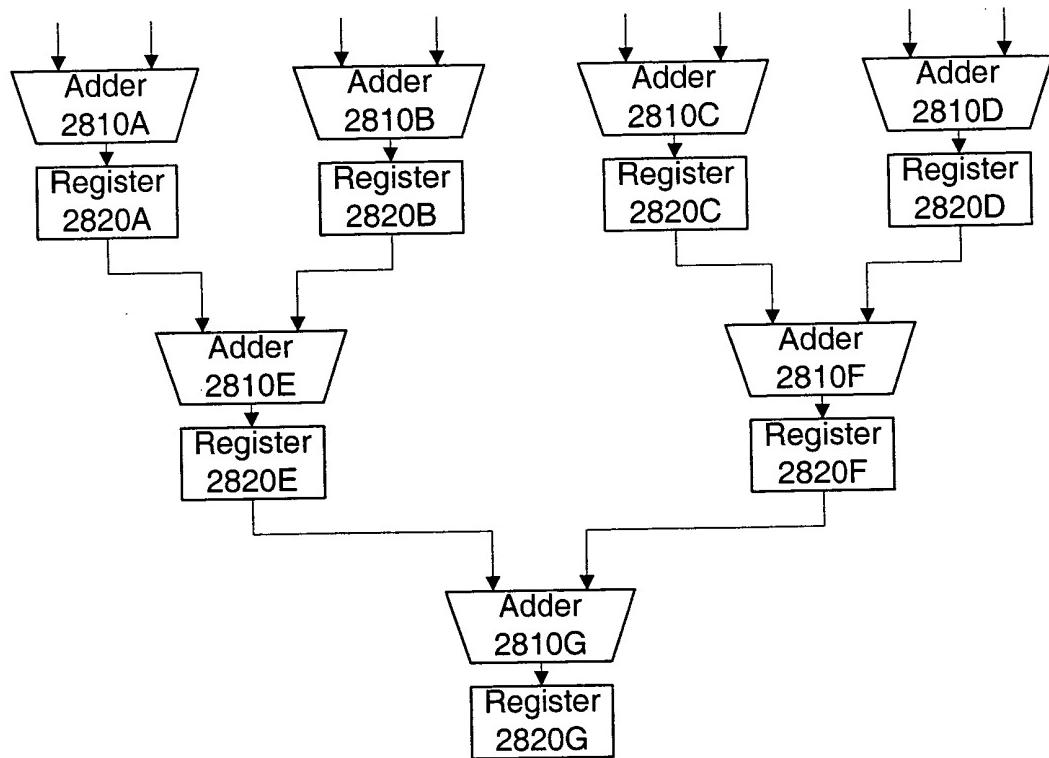


Figure 28

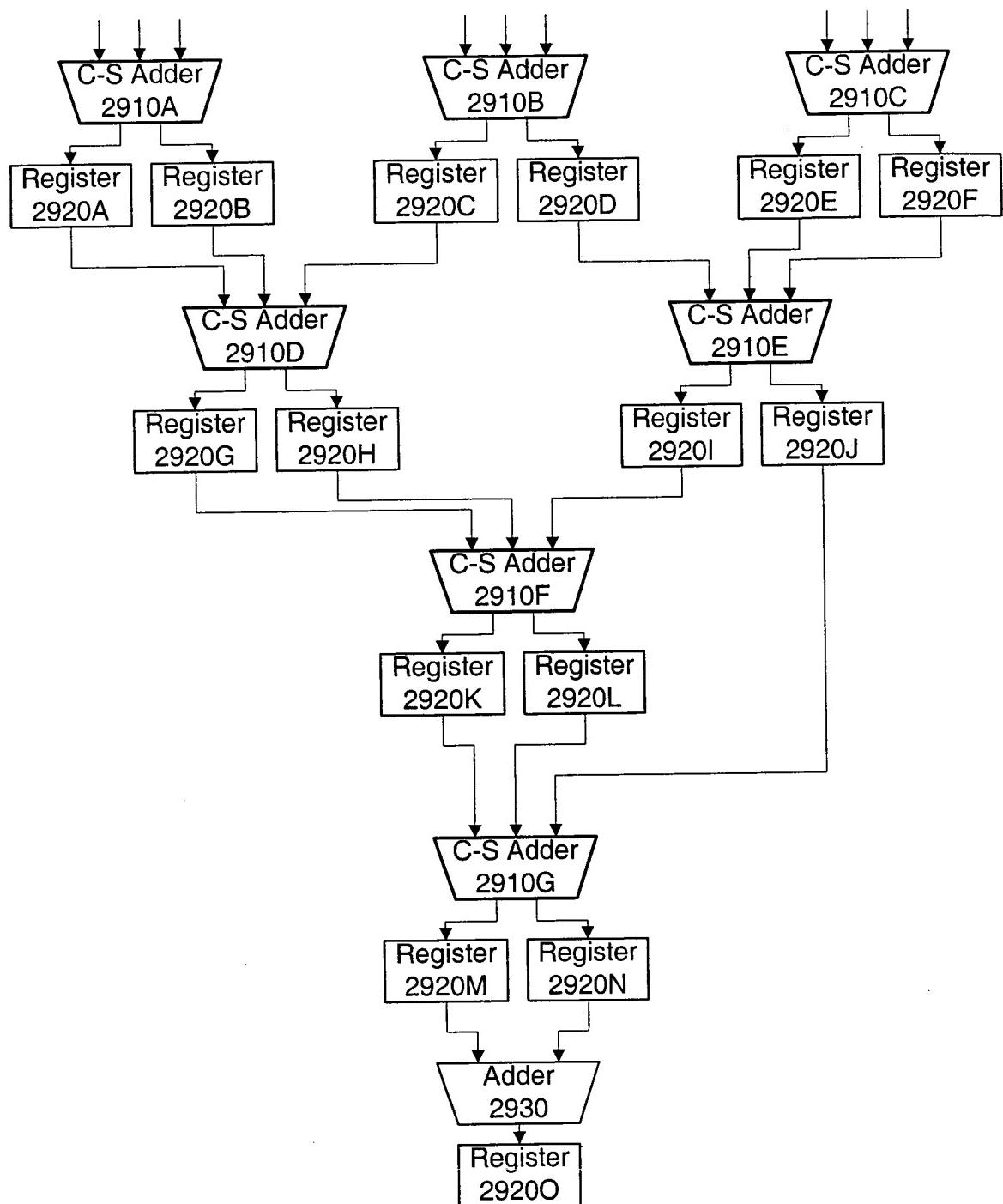


Figure 29

Fig. 30A

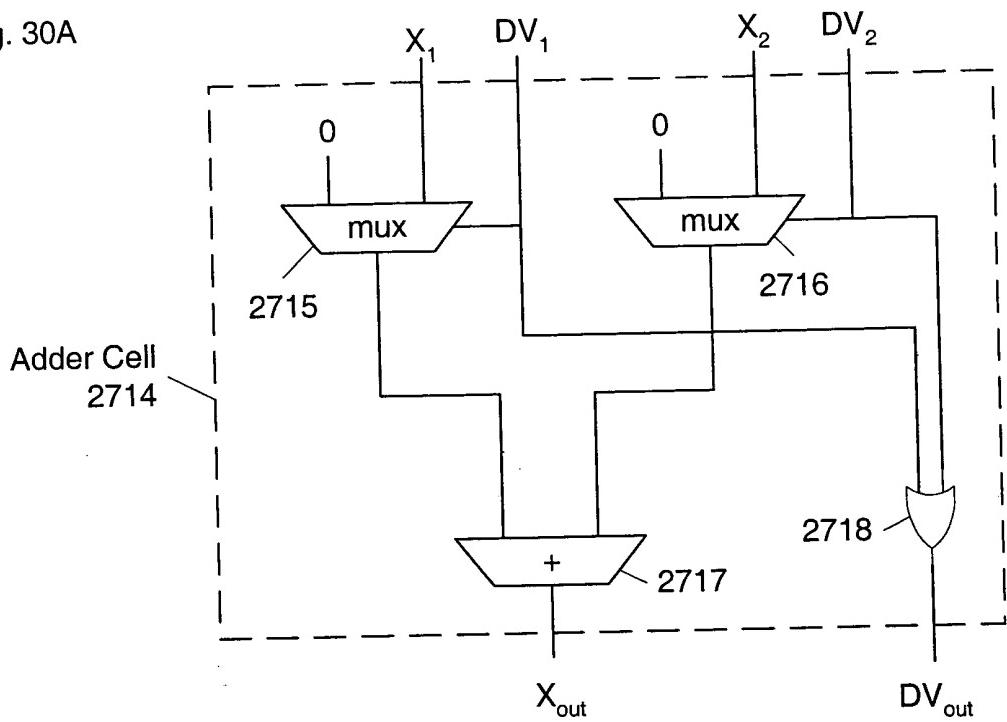


Fig. 30B

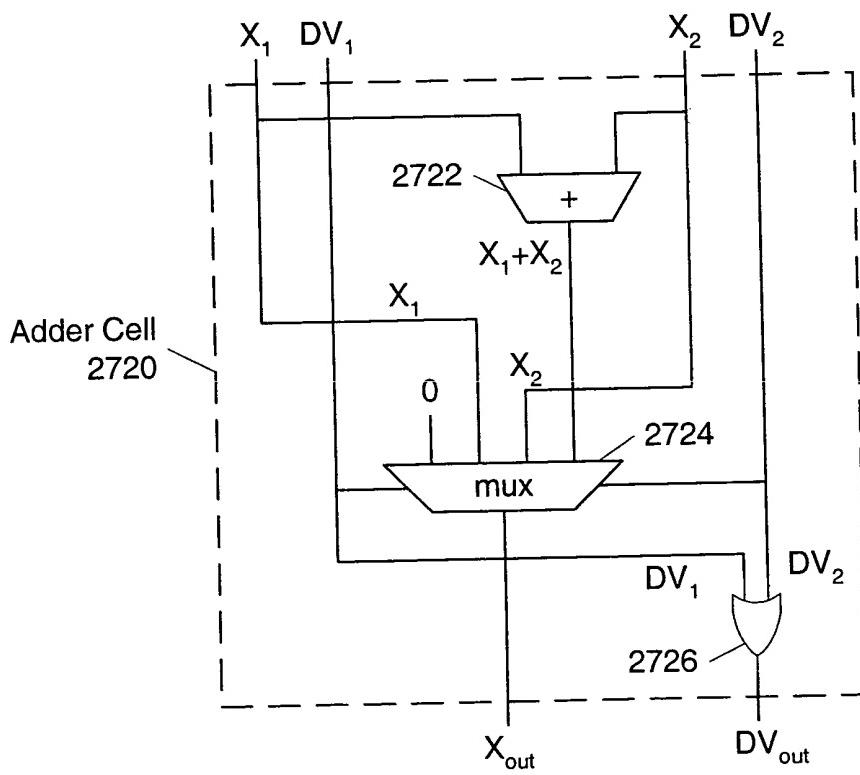


Fig. 31

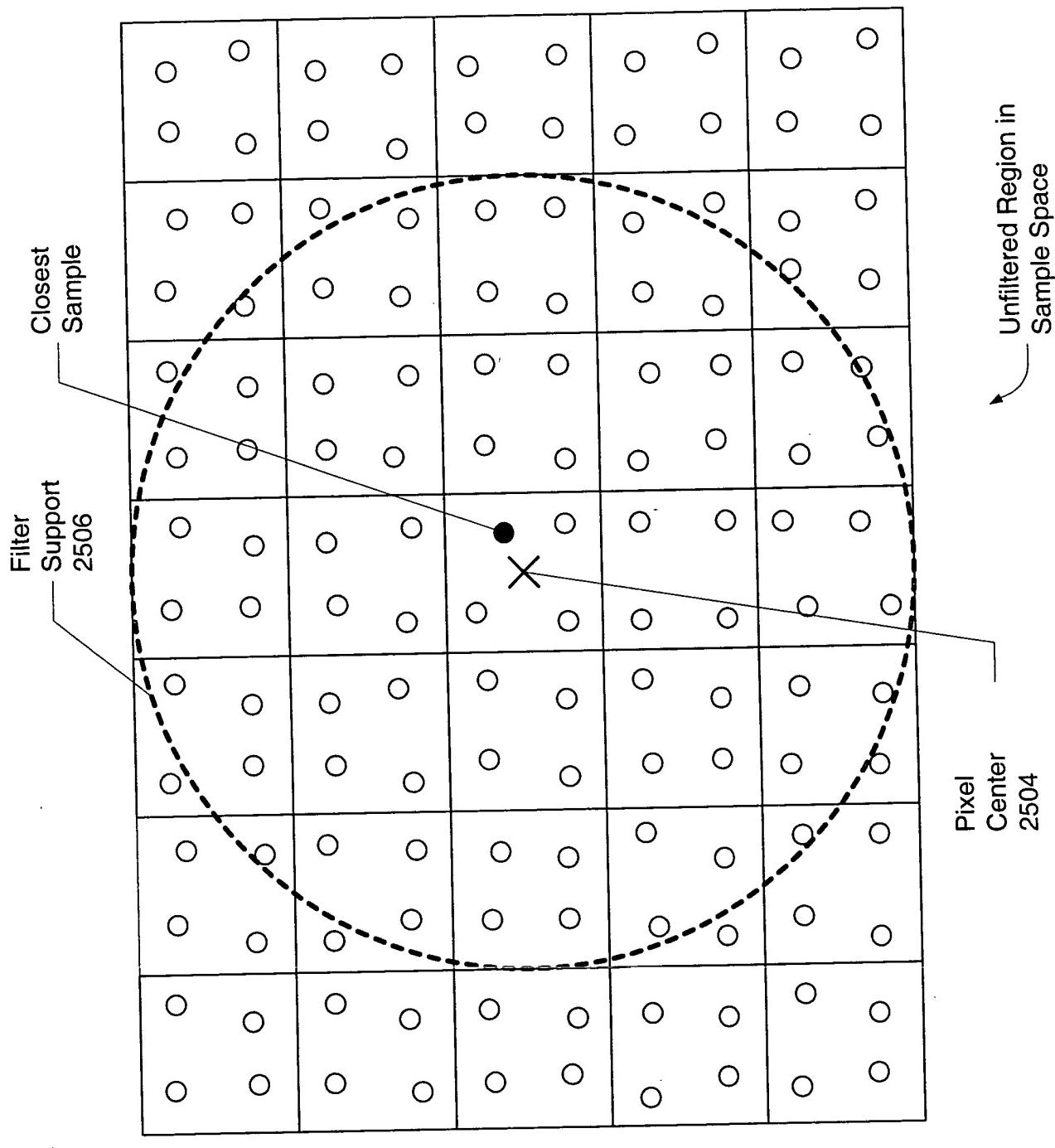
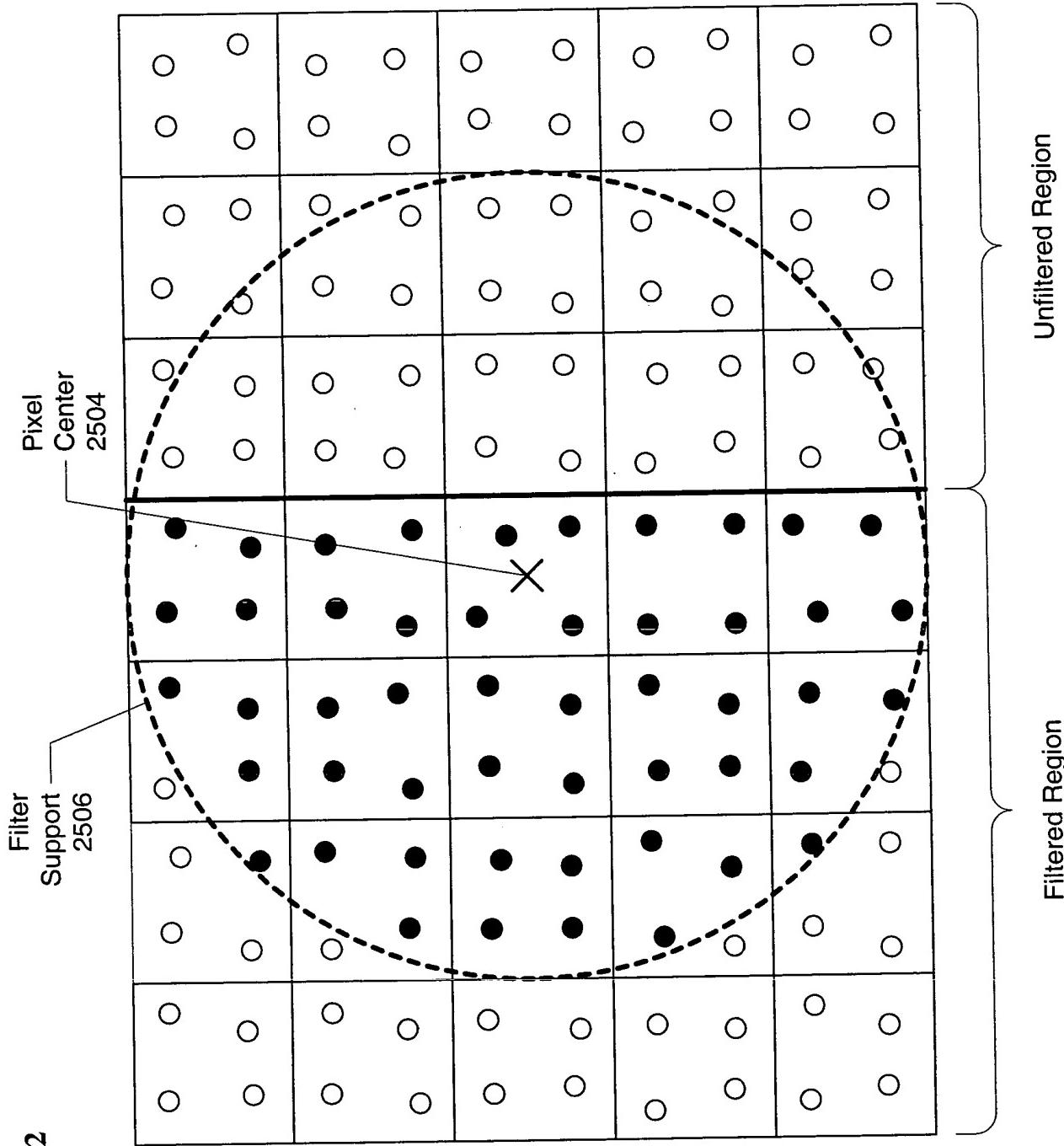


Fig. 32



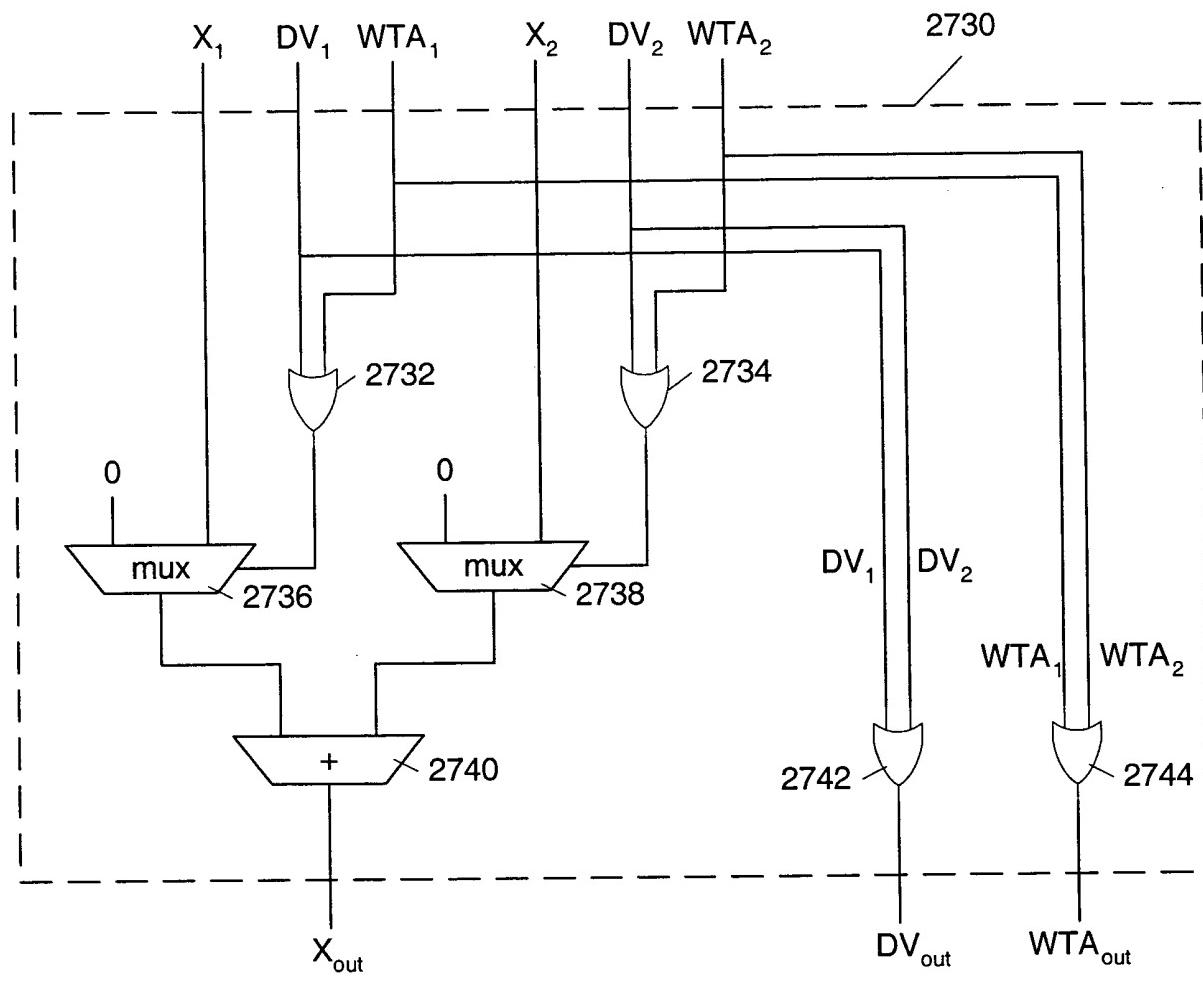


Fig. 33A

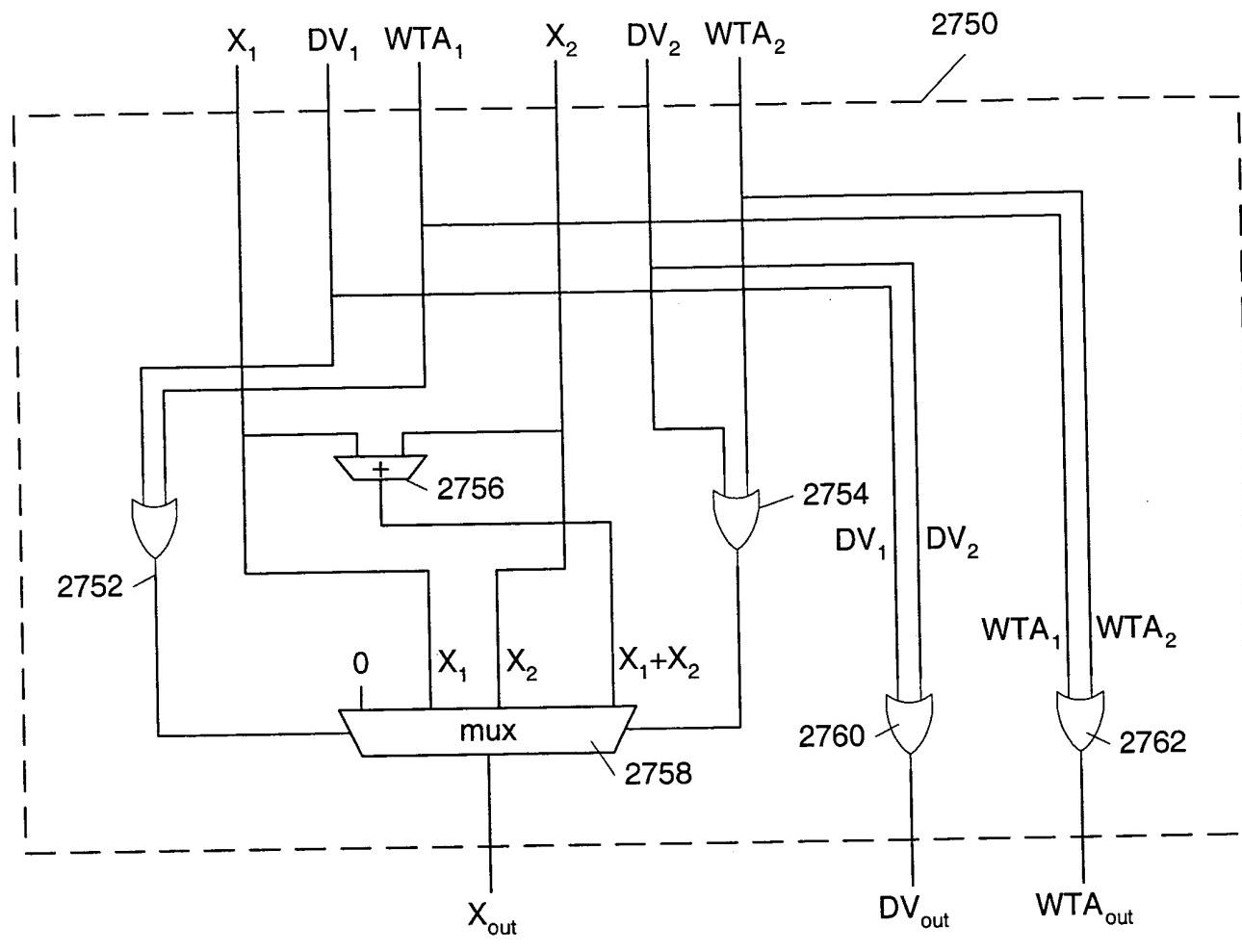


Fig. 33B

Figure 33C

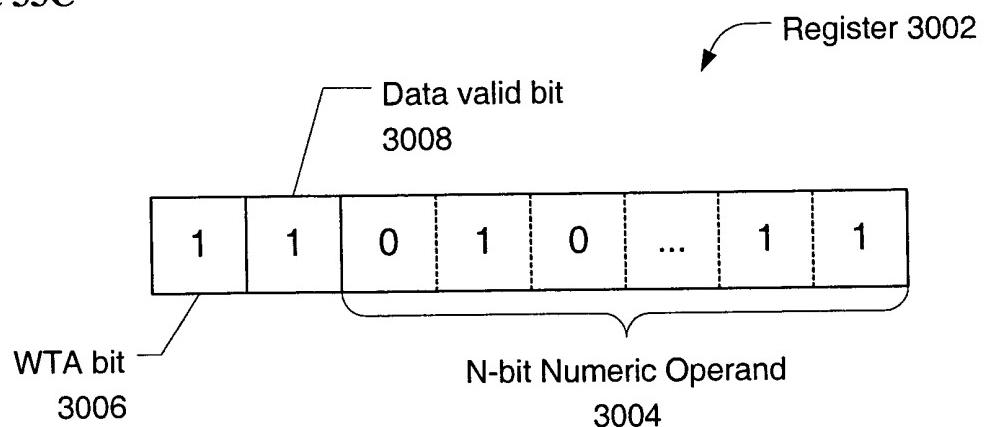
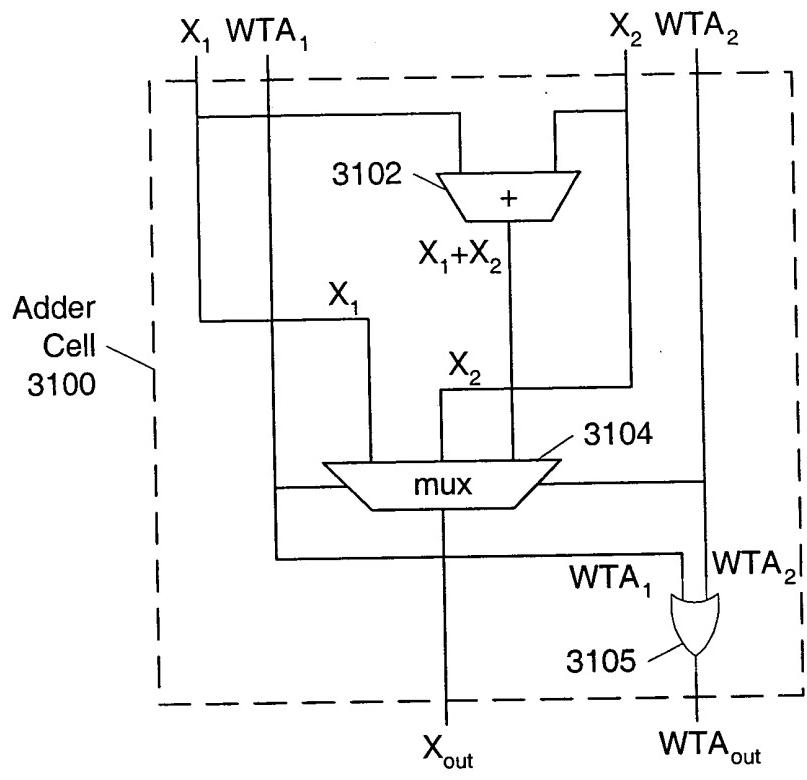


Fig. 34



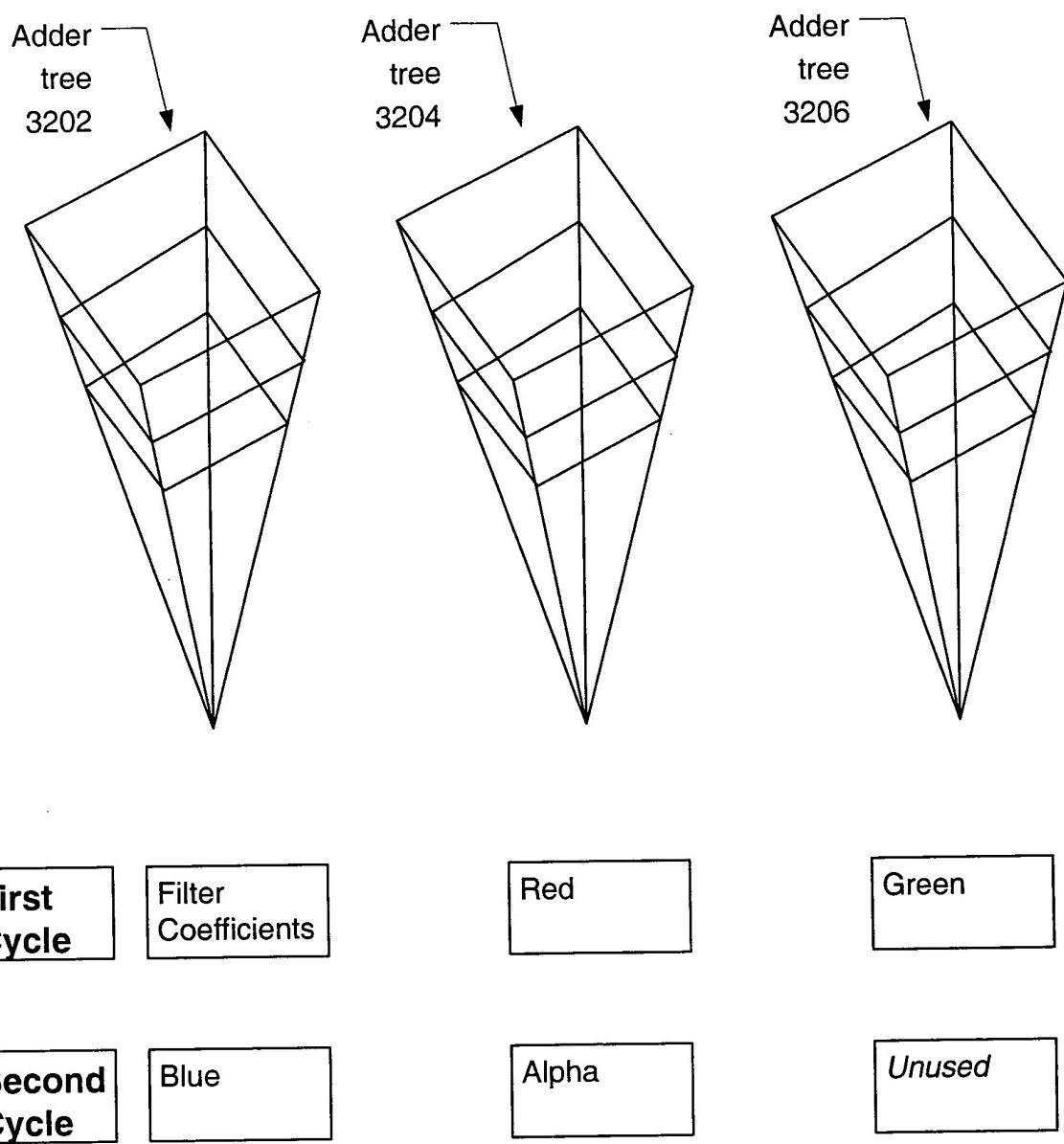


Figure 35

$$d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2} \quad \text{Eqn. 10}$$

$$d^2 = (x_1 - x_2)^2 + (y_1 - y_2)^2 \quad \text{Eqn. 11}$$

Figure 36